YEAR-I	Communicative English – I B.A., B.Sc.,	20LE101 T* Third Revision
SEMESTER – I	From Batch 2020	Hours: 4
PART – I ENGLISH		Credit: 3

OBJECTIVE: To make students acquire Basic English skills-Listening, Speaking, Reading and Writing.

COURSE OUTCOMES

At the end of the course students

- CO 1. Acquire Basic English language skills
- CO2. Learn communication through language.
- CO 3. Learn Basic English sounds and spelling.
- CO 4. Learn report writing and use of punctuation.
- CO 5. Acquire basic grammar.

SEMESTER	COURSE CODE: 20LE101T				TITLE OF THE PAPER: Communicative English -I						HOURS	CREDIT:		
COURSE OUTCOME S		PROGRAMME OUTCOMES(PO)					PROGRAMME SPECIFIC OUTCOMES (PSO)						1	MEAN SCORE OF CO'S
Со	Ро	Ро	Ро	Ро	Ро	PSo	PSo	PSo	PSo	PSo	PSo	PSo	PSo	Mean
	1	2	3	4	5	1	2	3	4	5	6	7	8	score
Co1	1	2	1	3	2	3	3	1	1	1	1	1	1	1.6
Co2	3	4	3	4	3	5	5	1	1	1	3	3	5	3.1
Co3	5	4	4	3	5	5	5	2	2	2	5	5	5	4.0
Co4	2	2	2	4	3	4	5	2	2	2	4	5	4	3.1
Co5	5	5 5 5 4 5					5	4	4	4	5	5	5	4.6
Mea							ean Overall Score						3.28	

This Course is having **HIGH association** with Programme Outcome and Programme Specific Outcome.

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

UNIT-I

I Listening: English speech sounds- Consonants

II Speaking: 1. Meeting People, Exchanging Greetings & Taking Leave

2. Introducing people to others

III Reading: Prose: Forgetting - Robert LyndIV Writing: 1. Letter-Writing - Informal Letters

2. The Sentence3. Parts of Speech

UNIT-II

I Listening: Speech sounds- Pure VowelsII Speaking: 1. Giving Personal Information

2. Talking about people

III Reading: Poem: *Mending Wall* – Robert Frost

IV Writing: 1. Letter-Writing - Formal Letters

Nouns – Classes and Gender
 Nouns – Number and case

4. Adjectives

5. Comparison of Adjectives

UNIT-III

I Listening: Diphthongs

II Speaking: 1. Taking and leaving messages

2. Making enquiries on the phone

III Reading: Poem: *Time and Love* – William Shakespeare

IV Writing: 1. Dialogue Writing

2. Articles

3. Pronouns – Personal, Reflexive and Emphatic

4. Pronouns – Demonstrative, Indefinite, Interrogative,

Distributive and Reciprocal

5. Pronouns – Relative

I Listening: Phonetic Transcription (words)

II Speaking: Answering the Telephone and Asking for Someone

III Reading: 1. Prose: *Mother Teresa* - John Frazer

2. One-Act Play: The Best Laid Plans - Farrel Mitchell

IV Writing: 1. Reading Comprehension

2. Verbs – Transitive and Intransitive3. Verbs – Active and Passive Voices

UNIT-V

I Listening: Voiced and Voiceless sounds
II Speaking: Dealing with a wrong number

III Reading: Short Story: *The Selfish Giant-* Oscar Wilde

IV Writing: 1. Verbs: Mood and Tense

2. Concord or Agreement of the verb with the Subject

Text:

1. **A Text Book of English Phonetics for Indian Students**:Balasubramanian. T, Hyderabad, Macmillan, (1981).

- 2. **Spoken English for You**: Pillai, Radhakrishna.G&Rajeevan.K,Madras. Emerald, (1994).
- 3. **A Galaxy of Precious Prose** (an anthology of prose sections): ed. Dr.Rao, Syamala.B, Madras. Blackie Books, (2001).
- 4. **American Literature 1890-1965 (An Anthology):** ed. Dr. Egbert.S, Oliver, P.hd., New Delhi. Eurasisa Publishing House (Pvt) Ltd. 2008.
- 5. **Vignettes of Life (A Collection of Short Stories**): ed. Padma.T, Chennai. Macmillan (1998).
- 6. **Portraits In Prose (An Anthology of Biographical Sketches):** Jagadesan. S, Chennai. Orient Blackswan, 2007.
- 7. **The Book of Elizabethan Verse**: ed. William Stanley Braithwaite. Boston: Herbert B. Turner & Co., www.bartley.com
- 8. **A Pride of Plays**: ed. Prof. K.G. Seshadri, Chennai. Anuratha Publications. 2014.
- 9. **Contemporary English Grammar Structures and Composition**: ed. David Green, Delhi. Macmillian, 2014.

Reference:

1. **English for Competitive Examinations**: ed. R.P. Bhatnagar, Rajul Bhargava. Chennai. Macmillan, 2002.

2.	Living English Structure (Practice Book for Foreign Students and Key): Stannard Allen. London. LongMans, Green and Co., 1956.

Communicative English –I 20LE101 I Year - B.A. / B.Sc.

Semester - I

(From Batch 2020 onwards)

Question Pattern

Time: 3hrs Marks: 75

Section-A (No choice) (10x2=20)

Objective and Short Answers:

Questions covering all units except Letter Writing, Dialogue Writing and Reading Comprehension.

Section-B (No Choice) (5x5=25)

Transcribe the words: (5 out of 8) (5 Marks)

Match the Following: (5 Marks)

Letter-Writing
Dialogue-Writing
Comprehension

Section-C (Essay 300 words) (3x10=30)

One from Prose (either or type)
One from Poetry (either or type)
One from Short Story or One Act Play

Model Question Paper-20LE101 (From Batch 2020)

COMMUNICATIVE ENGLISH - I

I Year B.A / B.Sc. Degree Courses Semester-I

Time: 3hrs	Marks:75
Section – A	(10X2=20)
Answer the following Questions. (Objective & Short Answer	rs)
1. Give two expressions to introduce yourself to others.	
2. a. In Forgetting potion means (wine / liquid means	dicine).
b. In 'Mending Wall' the word Cones means (Cher	ry/Pine Fruit)
3. a. A word that modifies a verb is called as (adverb)	
b. A word used to join together words, phrases or clauses	s is called
(Preposition / Conjunction)	
4. Identify the type of sentence:	
a. Shut the door.	
b. What a fool he is!	
5. Write two expressions to borrow a pen from the next pers	ion.
6. a. What did the hunters hunt in the 'Mending Wall'?	
i)Wild dog ii)Rabbit iii)Rat iv)Deer	
b. Which will take away the poet's love in "Time and Love	"?
i)death ii) time iii) love iv) dream	
7. Fill in the blanks using the Feminine form of the words:	
a. She remained a all her life. (Bachelor)	
b. He bought a beautiful chestnut (Horse)	
8. Give the comparative form of the following words:	
a. Good b. Late	
9. Fill with the correct articles:	
a. Kalidas is Shakespeare of India.	
b. Eskimos live in Igloo.	
10. Give the correct form of the verb:	
a. In my youth, I (take) exercise every day.	
b. I (join) college in 2017.	

SECTION-B (5x5=25 Marks)

11. Transcribe the following words (any five):

(5x1=5)

(i) High (ii) Film (iii) Wash (iv) Ring (v) Calm (vi) Temple (vii) Apple (viii) Girl

12. Match the following:

(5x1=5)

- (i) School /wulf/
- (ii) Wolf /kændəl/
- (iii) Candle /Ληkəl/
- (iv) Jam /sku:1/
- (v) Serve /fu:1/
 - /dʒæm/
 - /sʒ:v/
- 13.Write a letter to the Post Master to trace the parcel you have (1x5=5) registered.

(or)

Write a letter to your parent's narrating your first day experience at the hostel.

14. Write a dialogue between a film actor and yourself.

(1x5=5)

(or)

Write a dialogue between a Country Mouse and a Town Mouse.

15. Reading Comprehension:

(5x1=5)

A lot of things are going to happen in the next fifty years as the population of the world increases rapidly. It is enormously important to happen through the work of the geneticists who are specialists in genetics. For instance, there has been an enormous worldwide increase of new strains of corn in the last five years. Throughout agriculture geneticists are improving plants to get higher yields.

Answer the following questions:

i) Why it is important to increase the yield of grain plants?

- ii) Who could increase the yield of grain plants?
- iii) Who are Geneticists?
- iv) Why is there an enormous increase in the production of corn?
- v) What is meant by new strains?

SECTION-C

(3X10=30)

Answer the following in 300 words.

16. a) Write an essay on Lynd's reflections on Forgetting.

(or

- b) Comment on Mother Teresa's attitude to service.
- 17. a) Justify the title of the Sonnet 'Time & Love'.

(or)

- b) Bring out the central idea of Frost's poem 'Mending Wall'.
- 18. a) Comment on the transformation of the garden in Oscar Wilde's *The Selfish Giant*.

(or)

b) Describe all the arrangements made by slick Jack for the burglary at the house of Spender and Wood.

YEAR – I	COMMUNICATIVE ENGLISH – II	20LE202
TLAN-1	B.A., B.Sc.,	T* Third Revision
SEMESTER – II	From Batch 2020	Hours: 4
PART – I ENGLISH		Credit: 3

OBJECTIVES:

- To make students acquire Basic English skills: Listening, Speaking, Reading and Writing.
- To enable the students learn the art of communication through reading Literature.
- To enable the students understand and appreciate the beauty of life through Literature.

COURSE OUTCOMES

At the end of the course students exhibit

- **CO 1**. Fundamental knowledge of English language.
- **CO 2.** Communication skills.
- **CO3.** The task centering on language skills development.
- **CO 4**. Train and develop the conversation skills.
- **CO 5.** Develop creative and critical thinking and speaking skills.

SEMESTER	SEMESTER -II COURSE CODE: 20LE202					TITLE OF THE PAPER : Communicative English -II						HOURS:4		CREDIT: 3
COURSE OUTCOME S			GRAI COME	MME S(PO)		PROGRAMME SPECIFIC OUTCOMES (PSO)							MEAN SCORE OF CO'S	
СО	РО	РО	РО	РО	РО	PO PSO PSO PSO PSO PSO PSO PSO PSO					PSO	MEAN		
	1	2	3	4	5	1	2	3	4	5	6	7	8	SCORE
CO1	1	2	1	3	2	3	3	1	1	1	1	1	1	1.6
CO2	3	4	3	4	3	5	5	1	1	1	3	3	5	3.1
CO3	5	4	4	3	5	5	5	2	2	2	5	5	5	4.0
CO4	2	2	2	4	3	4	5	2	2	2	4	5	5	3.2
CO5	5	5	5	4	5 5 5 4 4 4 5 5 5					4.6				
					Mea	an Ove	rall Sco	ore						3.3

This Course is having **HIGH association** with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5

Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

UNIT-I

I Listening: Triphthongs

II Speaking: 1. Making Requests and Responding to Requests

2. Thanking someone and Responding to thanks

III Reading: Prose: *How to be a Doctor* - Stephen Leacock

IV Writing: 1. Precis Writing

2. Non – Finite Verbs

3. Strong and Weak Verbs

4. The Auxiliaries

UNIT-II

I Listening: Strong and Weak Forms in Transcription

II Speaking: 1. Inviting and Accepting and Refusing an Invitation

2. Apologising and Responding to an Apology

III Reading: Poem: Auguries of Innocence – William Blake

IV Writing: 1. Note Making

2. Use of wrong Preposition

3. Unnecessary use of Articles

UNIT-III

I Listening: The Relationship between Spelling and Sound

II Speaking: 1. Paying Compliments, Showing Appreciation, Offering

Encouragement and Responding to them.

2. Asking for, Giving and Refusing Permission.

III Reading: Prose: My Vision for India – A.P.J. Abdul Kalam

IV Writing: 1. Report Writing

2. Punctuation and Capitals

UNIT-IV

I Listening: Sentence TranscriptionII Speaking: Describing Daily RoutinesIII Reading: 1. Poem: If – Rudyard Kipling

2. One-Act Play: The Merchant of Venice

-William Shakespeare

- 'Trial for a Pound of Flesh'

IV Writing: 1. Paragraph Writing

2. Personal Details

UNIT-V

I Listening: Transcribing short passages

II Speaking: Asking for directions and giving directions **III Reading**: Biography: *Kiran Bedi*- Parmesh Dangwal

IV Writing: 1. Use of wrong tenses

2. The uses of prefixes and suffixes

Text:

- 1. **A Text Book of English Phonetics for Indian Students**: Balasubramanian. T, Hyderabad, Macmillan, (1981).
- 2. **Spoken English for You**: Pillai, Radhakrishna.G&Rajeevan.K,Madras. Emerald, (1994).
- 3. Vision In Verse (An Anthology Of Poems): ed. S.P.S. Dahiya, Chennai, OUP. 2003.
- 4. **English For Excellence (Prose)**: Lalitha Natarajan, Sasikala Natesan, Chennai. Anuradha Publications, 2007.
- 5. **English For Excellence (Short Stories and Biographies)**: Lalitha Natarajan, Sasikala Natesan, Chennai. Anuradha Publications, 2007.
- 6. **The Tuneful Voice (Poetical Selections for The Young)**: ed. K.G. Seshadri, Chennai. Anuradha publications, 2005.
- 7. **Selected Scenes From Shakespeare's Plays**: Board of Editors, Chennai. Emerald publishers, 2000.
- 8. **Contemporary English Grammar Structures and Composition**: ed. David Green, Delhi. Macmillian, 2014.

Reference:

- 1. **English for Competitive Examinations**: ed. R.P. Bhatnagar, Rajul Bhargava. Chennai. Macmillan, 2002.
- 2. Living English Structure (Practice Book for Foreign Students and Key): Stannard Allen. London. LongMans, Green and Co., 1956.

Communicative English –II 20LE202 I Year- B.A. / B.Sc.

Semester-II (From Batch 2020 onwards)

Question Pattern

Time: 3hrs Marks: 75

Section-A (No choice) (10x2=20)

Objective and Short Answers:

Questions covering all units except Precis Writing, Note Making, Report Writing, Paragraph Writing and Personal Details.

Section-B (No choice) (5x5=25)

Transcribe the given sentences: (5 out of 8) (5 marks)
Identify the Triphthongs: (5 Marks) No Choice
Precis Writing or Note Making
Report Writing
Paragraph Writing or Personal Details

Section-C (Essay 300 words) (Either or type) (3x10=30)

One from Prose (either or type)
One from Poetry (either or type)
One from Biography or One -Act Play

MODEL QUESTION PAPER

(From Batch 2020)

COMMUNICATIVE ENGLISH -II

20LE202

SEMESTER-II

FIRST YEAR B.A./B.Sc.

Ti	ime:3hrs			Marks:75
	Section-A			(10x2=20)
Ar	nswer the following: (Objective & Short	Answe	ers)	
1.	Fill in the blanks with correct Complia	ment &	Response:	
	a). The mangoes I bought at your stall ye	sterday	were very sweet.	
	b)Can I give you five ki	los?		
2.	Fill in the blanks with correct expressi	ons of A	Appreciation or E	ncouragement:
	a) You've put in a lot of effort.			
	b) we shouldn't lose heart.			
3.	Fill in with the correct Infinitives:			
	a) I wanta letter.			
	b) I wishFrench.			
4.	Fill up with the past or past participle	of the v	words given:	
	(a) Ihim twice before	he left	for New York. (see	n/had seen)
	(b) When the bell rings the swimmers		into the wate	r. (jumped/jump)
5.	Spot the unnecessary article used:			
	(a) The only an infantry man knows what	ıt was it	•	
	(b) I bought an dozen oranges.			
6.	Fill in the blanks as directed:			
	a) you ever been to Darj	eeling?	(with correct auxil	liaries)
	b).She was standingth	e mirro	r. (with suitable Pr	reposition)
7.	I the letter yesterday.			
	a) post b) posted c) post	ing	d) will post	

- 8. Give examples of words ending with following suffixes.
 - a) -hood
- b) -ship
- 9. hello he said when did you get here (**Punctuate**)
- 10. Why does Leacock call the progress of science as wonderful thing?

Section-B (5x5=25Marks)

11. Transcribe the given sentences: (5 out of 8)

(5x1=5)

- a) Drive slowly.
- b) Let us go.
- c) May I go home now?
- d) Be a good boy.
- e) He need not come.
- f) The dinner is being cooked.
- g) I am reading.
- h) He fell into the well.

12. Transcribe the following into Triphthongs:

(5x1=5)

- a) Fire.
- b) Higher.
- c) Liar.
- d) Power.
- e) Layer

13. Precis Writing or Note Making:

Character is destiny. Character is that on which the destiny of a nation is built. One cannot have a great nation with men of small character. If we want to build a great nation, we must try to train a large number of young men and women who have character. We must have young men and women who look upon others as the living images of themselves, as our *Sastras* have so often declared. But whether in public life or in student life, we cannot reach great heights if we are lacking in character. We cannot climb the mountain when the very ground at our feet is crumbling. When the very basis of our structure is shaky, how can we reach the heights which we have set before ourselves? We must all have humility.

14.Report Writing:

Write a report on the Sports day celebration held in your college.

15. Paragraph Writing or Personal Details:

Write a paragraph on the topic: The Sunset

(or)

Write **TEN** interesting statements about yourself.

Section-C (Essay)

(3x10=30)

Answer the following in 300 words

16. a) Comment on the views of A.P.J Abdul Kalam on India as a land and Indians as People.

(or)

- b) Write an essay on Stephen Leacock's How to be a Doctor.
- 17. a) Analyse the poem in detail Auguries of Innocence.

(or)

- b) Comment on the gentleman qualities stated by Rudyard Kipling in his poem 'IF'.
- 18. a) Write an essay on the unique personality of Kiran Bedi.

(or)

b) Give a critical appreciation of the Trial Scene from the play

The Merchant of Venice.

YEAR – II	COMMUNICATIVE ENGLISH -III	20LE303
SEMESTER – III	B.A., B.Sc.,	Hours: 4
PART – I	From Batch 2020 onwards	Cuadit. 2
ENGLISH		Credit: 3

OBJECTIVES:

To make students acquire Basic English Skills-Listening, Speaking, Reading and Writing.

To help them taste the essence of language through literature.

To imbibe values for life, touching upon the different facts of literature.

Course Outcomes:

At the end of the course students

CO1: Narrate simple experiences in a coherent manner.

CO2: Make use of the students to practice the situational basic skills.

CO3: Different types of warm up activities to discuss the theme of the play.

CO4: Comprehend the local and global issues and using writing skills. **CO5:** Enhance their language Skills and understanding the social and literatures.

SEMESTER		cou	RSE C	ODE:		TITLE	OF THE	PAPER	: Comi	munic	ative	HOURS:4		CREDITS:3
III								Engl	ish III					
COURSE OUTCOMES			GRAN COMES			PROGRAMME SPECIFIC OUTCOMES (PSO)								MEAN SCORE OF CO'S
СО	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	Mean
														score
CO1	5	5	4	4	5	5	5	5	3	5	5	5	3	4.5
CO2	5	5	4	5	5	5	5	5	4	5	5	5	5	4.8
CO3	5	5	4	5	5	5	5	5	3	5	5	5	5	4.6
CO4	5	5	5	5	5	5	5	5	3	5	5	5	3	4.6
CO5	5	5	5	5	5	5	5	5	4	5	5	5	3	4.7
					Me	ean Ove	rall Sco	re						4.6

This Course is having **HIGH association** with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5

Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

UNIT- I

I Listening: Narration

II Speaking:

Welcoming the gathering

Introducing a Guest to the audience

Thanking the gathering and organizers of an event **III Reading**: One – Act Play: *Refund* – Fritz Kazinthy

IV Writing: Publicity Literature

UNIT-II

I. Listening:

- 1. Quit India Mahatma Gandhi (Prose)
- 2. Tryst with Destiny Jawaharlal Nehru (Speech: Prose)
- II. Speaking: Giving One's Opinion on current National/ Social issues
- III. Reading: One Act Play: The Bear Anton Chekhov

IV. Writing: Spotting Errors

UNIT - III

I. Listening

- 1. Gettysburg Address- Abraham Lincoln (Speech: Prose)
- 2. I have a Dream Martin Luther King (Speech: Prose)

II. Speaking

- 1. Preparing news items of local events and speaking about them
- 2. Sample News Item (Event)
- III. Reading: One Act Play: The Hour of Truth Percival Wilde
- IV. Writing: E- Mail Writing

UNIT-IV

I. Listening

- 1. Inaugural Address John. F. Kennedy (Speech: Prose)
- 2. Prepared to Die- Nelson Mandela (Speech: Prose)
- II. Speaking: Presentation Skills
- **III. Reading :** Autobiography : *Sorrows of Childhood* Charles Chaplin

IV. Writing: Resume Writing

UNIT - V

I. Listening: Some useful Expressions

II. Speaking: Speech Writing

III. Reading:

1. Biography: Marie Curie- Colin Mitchell

2. Biography: Sarojini Naidu – Padmini Sengupta

IV. Writing: Minutes Writing

Communicative English - III

Text:

- 1. Aravindakshan.T.Y, Vijayalakshmi.C.K, Sailaja. A.K. *Reading Literature In English.* Delhi: Cambridge University Press India. Pvt., Ltd., 2013. Print.
- 2. Board of Editors. *Break Through.* Hyderabad: Orient Blackswan, 2015. Print.
- 3. Board of Editors. *Lime Light-3 (An Anthology of Prose, Biography, Poetry, Short Story and One Act Plays)*. Chennai: SSK Publishers& Distributers, 2015. Print.
- 4. Board of Editors. *Lime Light-1 (An Anthology of Prose, Biography, Poetry, Short Story and One Act Plays)*. Chennai: SSK Publishers& Distributors, 2015. Print.
- 5. Board of Editors. Sunlight-IV (An Anthology of Prose, Poetry, Drama and Language Items). Chennai: Anuradha Publications, 2016. Print.
- 6. Dr. Ramesh, Sree. *English Through Literature (A Textbook For Undergraduate Studies)*. Hyderabad: Orient Blackswan, Pvt Ltd, 2013. Print.
- 7. Narayanaswami.V.R. *Strengthen Your Writing.* Kolkata: Orient Blackswan Pvt., Ltd., 2013. Print.
- 8. Natarajan, Lalitha & Natesan, Sasikala. *English for Excellence (Short Stories and Biographies)* Chennai: Anuradha Publications, 2014. Print.
- 9. Pillai, Radhakrishna. G & Rajeevan.K. *Spoken English for You.* Chennai: Emerald Publishes, 1994. Print.
- 10.Pillai, Radhakrishna.G, Baskaran Nair.P & Rajeevan.k. Written English for You. Madras: Emerald Publishers, 1994. Print.

- 11. Seshadri, K.G, ed. *A Prism of Plays.* Chennai: Anuradha Publications, 2014. Print.
- 12. Sukumaran, Beena. *Indian Voices (An Anthology of Indian Writings In English).*India: Cambridge University Press. Pvt Ltd, 2015. Print.
- 13. Suresh Kumar. E. Essential English. Hyderabad: Orient Blackswan, 2015. Print.

REFERENCE:

Bhatnagar.R.P, Bhargava, Rajul, ed. *English for Competitive Examinations*. Chennai: Macmillan, 2002. Print.

COMMUNICATIVE ENGLISH –III II YEAR B.A./B.Sc.

SEMESTER-III QUESTION PATTERN (From Batch 2020 onwards)

Time: 3hrs Marks: 75

Section-A (No choice) (10x2=20)

Objective and Short Answers:

Questions covering all units.

Section-B (No choice) (5x5 = 25)

- I. E-mail writing
- II. Publicity Writing
- III. Resume Writing
- IV. Speech Writing
- V. Minutes writing (or) Narration

Section-C (Essay 300 words) (3x10=30) (Either or type)

Essays:

- 1. One from Prose
- 2. One from Autobiography / Biography
- 3. One from One- Act Play

MODEL QUESTION PAPER

(From Batch 2020)

COMMUNICATIVE ENGLISH -III

SEMESTER-III

II YEAR B.A./B.Sc.

Time:3hrs	So	ection-A		Marks:75 (10X2=20)
Answer ALL t	he Questior	ıs:-		
1.a). How will	you introduc	ce someone?		
b). Give an	expression to	o welcome a gat	thering.	
2. a).Eye conta (True/F		sential while sta	art addressing	a gathering.
b). Narratio	n brings out	the picture of a	a story. (True/	False)
3. a). What is	the meaning	of Crafty?		
b). The mea	ning of shre	<i>wd</i> is		
(i)	foolish (ii) id	ler (iii) clever (iv	v) cheat	
4. a). The exar	nple of Publi	icity Literature	is	
(i)News	paper (ii) Ad	vertisement (iii)	Notice (iv) Jou	ırnal
` '	, ,	s(Ah:	` '	
		ey element in d		
		rm. (i) enjoy (ii)		
•		is famous for de	. ,	
	_	ightingale of Inc		
•		lowing sentence		
-		•		ets Printed./No error.
A	В	С	D	E
	n a lot /by atter	nding the English o	course,/ <u>isn't it</u> ?/]	
<u>A</u>	В	nding the English o C	D	Е
8. a). Give two	points in pr	reparing the spe	eech writing.	
b). E-mail is	s an			
9. a). Marie Cı	arie got her s	second Nobel Pr	rize for	
b). Sydney i	is	half-brother.		
10. a)	is a write	er's record wha	t is said in a m	leeting.
b). Body L	anguage is e	essential for pre	sentation skill	. (True/ False).

Section-B (5X5=25)

Answer the following:

- 11. How can e-mail writing be made effective?
- 12. Prepare a brochure for the programme. Begin thus:

"A dream of a Holiday

At a

Price you can afford."

Yes! Here is your great chance. To get away from it all. To spend five memorable days at Kodaikanal, In the lap of Mother Nature.

- 13.Imagine you are qualified as a Nurse, with 5 years of experience.

 Prepare Resume along with a cover letter.
- 14. Prepare an outline speech on the following topic.

Use of mobile phones by Students.

15. Narrate an unforgettable happy moment in your life.

OR

A meeting was conducted by the Principal regarding Sports Day-Prepare the minutes.

Section-C (Essay)

(3X10=30)

Answer the following in 300 words

16. Explain – Ahimsa is a powerful weapon of Gandhi

(or)

Discuss the struggle for social and political equality to be carried on, according to Martin Luther King.

17. Trace the various problems faced by the Curies up to the time of the discovery of radium? .

(or)

Compare and contrast Sydney and Charlie in their attitudes to

misfortune and cruelty.

18. Describe how the Mathematics Master succeeds in outwitting Wasserkopf at the end.

(or)

Describe how Smirnov and Popova fall in love with each other.

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YEAR – II	COMMUNICATIVE ENGLISH -IV	20LE404
SEMESTER – IV	B.A., B.Sc.,	Hours: 4
PART – I	(From Batch 2020 onwards)	Cuadit. 2
ENGLISH		Credit: 3

OBJECTIVES:

- 1. To make students acquire Basic English Skills-Listening, Speaking, Reading and Writing.
- 2. To help them taste the essence of language through literature.
- 3. To imbibe values for life, touching upon the different facets of literature.

Course Outcomes:

At the end of the course students

CO1: Introduce themselves to the others through the soft skills.

CO2: Comprehend the local and global issues through the play and novel.

CO3: Different types of warm up activities can be used to group discussion.

CO4: Use the interactive skills through the negations and homophones in the text.

CO5: Enhance their language Skills and understanding the social background.

SEMESTER –	IV	COL												CREDIT: 3
COURSE		PROG	RAMI	ME		PROGR	RAMMES	PECIFIC	OUTCOM	MES (PSC))			MEAN
OUTCOME	S	OUT	COMES	OMES(PO)										SCORE OF
			_											co's
Со	Po	Po	Ро	Po	Ро	PSo	PSo	PSo	PSo	PSo	PSo	PSo	PSo	Mean
	1	2	3	4	5	1	2	3	4	5	6	7	8	Score
Co1	5	5	4	5	5	5	5	5	5	4	5	5	5	4.8
Co2	5	5	3	5	5	3	4	5	4	5	5	3	5	4.3
Co3	5	5	4	3	3	4	3	4	4	4	2	3	5	3.7
Co4	5	5	4	4	4	5	5	3	5	4	4	5	5	4.4
Co5	5	5	4	5	3	3 5 5 5 4 5 4 5						5	4.5	
Mean Overall Score									4.3					

This Course is having **VERY HIGH association** with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5

Rating Very Poor Poor Moderate High Very High

UNIT-1

I. Listening: Mock – Interviews / Actual Interviews

II. Speaking:

- 1. Facing an Interview
- 2. Tele Interviews

III. Reading

- 1. Drama: Julius Caesar Funeral Oration William Shakespeare
- 2. Novel: The Count of Monte Cristo Alexandre Dumas

(Chapter 01-10)

IV. Writing: Description

UNIT-II

I. Listening: Words often confused

II. Speaking: Seminar Skills

III. Reading

- 1. Drama: Macbeth- He Kills Sleep William Shakespeare
- 2. Novel: The Count of Monte Cristo Alexandre Dumas (Chapter 11-20)

IV. Writing: Idioms and Phrases

UNIT-III

I. Listening:

- 1. Homonyms and Similar words
- 2. Tele conferences

II. Speaking:

- 1. Handling Customers or Clients
- 2. Receiving Visitors

III. Reading

- 1. Drama: Henry IV (Part I) -Play out a Play –William Shakespeare
- 2. Novel: The Count of Monte Cristo Alexandre Dumas

(Chapter 21-30)

IV. Writing: The use of Graphics

UNIT-IV

- I. Listening: Homophones
- II. Speaking:
- 1. Booking Hotel Accommodation
- 2. Making Small Talk and Telling Stories

III. Reading

- 1. Drama: Patterns of Love As You Like It William Shakespeare
- 2. Novel: *The Count of Monte Cristo* Alexandre Dumas (Chapter 31-40)
- IV. Writing Negotiations

UNIT-V

- I. Listening: Group Discussions
- II. Speaking:
- 1. Making Appointments
- 2. Cancelling and Rescheduling Appointments

III. Reading

- 1. Drama: Hamlet Churchyard William Shakespeare
- 2. Novel: The Count of Monte Cristo Alexandre Dumas

(Chapter 41-49)

IV. Writing: Writing Review of Books

Communicative English - IV

Text:

- 1. Board of Editors. *Selected Scenes from Shakespeare's Plays.* Chennai: Emerald Publishers, 2000. Print.
- 2. Dumas, Alexandre. The Count of Monte Cristo. Madras: Macmillan, 1994. Print.
- 3. Green, David, ed. *Contemporary English Grammar Structures and Composition*. Delhi: Macmillan publishers,1971. Print.
- 4. Narayanaswami, V.R. *Strengthen Your Writing*. Kolkata: Orient Blackswan Pvt., Ltd., 2003. Print.
- 5. Pillai, Radhakrishna. G & Rajeevan.K. *Spoken English for You.* Madras: Emerald, 1994. Print.
- 6. Rao, Prasana, N.D.V, A Guide to Better English for Students (The Students Handbook). New Delhi: S. Chand & Company Ltd., 1992. Print.
- 7. Samson.T, Rajeevan, Geetha & Consultant Editor. *Interface 2*. Chennai: Cambridge University Press. 2008. Print.
- 8. Sharma.R.C, Krishna Mohan. 4thed. Business Correspondence and Report Writing (A Practical Approach to Business & Technical Communication). New Delhi: Tata MC Graw Hill Education Pvt Ltd., 2010. Print.
- 9. Suresh Kumar.E. Essential English. Hyderabad: Orient Blackswan, 2015. Print.
- 10. Tina Thoburn, Ruta Schlatterbeck and Ann Terry. *Macmillan English*. Newyork: Macmillan Publishing Co., 1982. Print.

REFERENCE:

Bhatnagar, R.P. *English for Competitive Examinations*. Chennai: Macmillan, 2002. Print.

Communicative English –IV II YEAR B.A., /B.Sc.,

SEMESTER-IV

QUESTION PATTERN (From Batch 2020 onwards)

Time: 3hrs Marks: 75

Section-A (No choice) (10x2=20)

Objective and Short Answers:

Questions covering all units except speaking skills.

Section-B (Either or Type) (5X5=25)

Questions only from speaking skills.

Interviews, Seminar Skills, Handling Customers, Receiving Visitors, Booking Hotels, Making and Cancelling Appointments.

Graphics or Descriptions.

Negotiations or Group Discussions.

Writing Review of Books.

Section-C (ESSAY 300 words)
(Either or type) (3x10=30)

Essays:

- 1. Four from Drama.
- 2. Two from Novel.

MODEL QUESTION PAPER (From Batch 2020)

COMMUNICATIVE ENGLISH -IV SEMESTER-IV II YEAR B.A./B.Sc.

Time: 3hrs Marks: 75 Section-A (10x2=20)Answer ALL the Questions: - (Objective & Short Answers) 1. Fill in the blanks from the alternatives given: a) A storm is _____ (Imminent/ Eminent) b) He applied the to stop the car. (Break/Brakes) 2. The Honourable men mentioned by Antony are _____ 3. Who is disguised as Andrea Cavalcante in the novel *The Count of Monte Cristo*? 4. Bring out the difference between the words: Ancient — Antique 5. What are the ill omens that Macbeth has heard? 6. Frame sentences: a) A flying Visit b) Bring about 7. Homonym is a word that is ______ the same but is different in _____. 8. Give the meaning of the following pair: Council—Counsel 9. Give two examples for Homophones. 10. Who are the "Cowards" according to Falstaff? Section-B Answer the following: (5x5=25Marks)11.a)Describe your favourite tourist place. (Or) b)Describe your favourite festival. 12. a) Write a review of any one book you read recently or you liked very much. (Or) b) What are the destructive roles and behaviour to be avoided in a group discussion. 13. a) Explain the different kinds of graphic representation. Give examples.

b)You have been selected to work in a multinational company. In the HR Interview, you need to negotiate your compensation package. Get the best deal possible.

14. a)Your friend is doing a part time job in a photo studio. Get all the required details over the phone. (Telephonic Conversation)

(Or)

b)Given below in the box are words that are often used in the context of booking a hotel accommodation. Give the meaning of the following words

Room	Check-in	Rate
Reserve	Vacancy	Complimentary

15. a)Write a conversation between a customer and a sales person, where the customer wants to know about the new Android Mobile phones in their shop.

(Or)

b)List out the positive traits that can be exihibited by the candidate during an interview.

Section-C (Essay) (3x10=30) Answer the following in 300 words

16. a)Describe the betrothal party of Edmund & Mercedes.

(Or)

- b) Analyse in detail, the story of The Count of Monte Cristo.
- 17. a)Narrate the happenings at the Boar's Head Tavern and bring out the humour in the scene.

(Or)

- b) What are the "Patterns of Love" for which Rosalind sets an example?
- 18. a)Discuss, "Ophelia as the pivotal focus of all the characters in the Churchyard scene"?

(Or)

b)Narrate how Mark Antony succeeds in stirring up his audience against the killers of Julius Ceasar.

YEAR – I

SEMESTER – I

PART – I

ENGLISH

Communicative English – I B.Com./B.Com.(BM)/ B.C.A./B.B.A.(CA) From Batch 2020 onwards

20LEC101
T* Third Revision
Hours: 5
Credit: 3

OBJECTIVE:

To expose the students to human values through Literature and to enable them acquire communication skills.

Course Outcomes:

At the end of the course students

CO1: Make use of the different genres for understanding the language skills.

CO2: Use the language skills activities for effective communication.

CO3: Understanding the social background and human values through literature.

CO4: Develop interpersonal skills for their using way of language

CO5: Improve their General Writing Skills.

SEMESTER –I COURSE CODE: 20LEC101		TITLE OF THE PAPER: Communicative English -1						НО	HOURS:5			CREDIT: 3			
COURSE OUTCOMES					PROGRAMME SPECIFIC OUTCOMES (PSO					SO)))			OF	
Со	Ро	Ро	Ро	Ро	Ро	PSo	PSo	PSo	PSo	PSo	PSo	PSo	PSo	o Me	an
	1	2	3	4	5	1	2	3	4	5	6	7	8	sco	re
Co1	5	5	5	2	5	5	5	3	2	4	4	4	5	4.1	
Co2	5	5	5	5	5	5	5	2	2	2	4	5	5	4.2	
Co3	5	4	3	2	5	5	5	5	5	3	4	5	5	4.3	
Co4	5	5	3	5	3	5	5	1	1	1	3	3	4	3.3	
Co5	5	5	3	3	2 4 5 2 2 2 4 4						3.3				
Mean Overall Score										3.8	4				

This Course is having **HIGH association** with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

UNIT- I Preparatory Language Skills:

[15 HRS]

- 1. Character is Destiny S. Radha Krishnan (Prose)
- 2. All the World's a Stage William Shakespeare (Poetry)
- 3. The Never Never Nest Cedric Mount (Play)

UNIT-II Communication Skills

[15 HRS]

- 1. Understanding Communication
- 2. Greeting and Introducing
- 3. Making Requests
- 4. Agreeing and Disagreeing
- 5. Seeking and Giving Permission
- 6. Persuading and Debating
- 7. Sounds and Symbols in English
- 8. Word and Sentence Stress
- 9. Effective Use of Intonation
- 10. Telephone Manners in Business Situations
- 11. Handling Customer Orders and Enquiries
- 12. Handling Complaint Calls

UNIT-III Communication Skills

[15 HRS]

- 1. The Gift of the Magi O'Henry (Short Story)
- 2. Mallala Yousafzai Pakistani Activist Naomi Blumberg (Biography)
- 3. The Monkey's Paw W.W Jacob (One Act Play)

UNIT – IV INTERPERSONAL COMMUNICATION

[15 HRS]

- 1. Effective Listening
- 2. Understanding the Audience
- 3. Perceptual Clarity
- 4. Channel Awareness
- 5. Role of Non Verbal Communication
- 6. Pragmatics
- 7. Handling Delivery and After Sales Problems
- 8. Taking Part in Teleconferences
- 9. Tele Interviews

UNIT-V Writing Skills

[15 HRS]

- 1. Note Making
- 2. Report Writing
- 3. Publicity Literature (Advertisements)

Communicative English - I

Text & Reference:

- 1. Dutt, Kiranmai. Pand Geetha Rajeevan. *Basic Communication Skills*. New Delhi: Cambridge University Press India Pvt. Ltd., 2007. Print.
- 2. Pillai, Radhakrishna.G, Rajeevan.K, Bhaskaran Nair.P. *Written English For You*. Madra: Emerald Publishers, 1994. Print.
- 3. Ravindran. Padma, M.D.V.Kalyani Annie and Board of Editors. *Interface I*.New Delhi: Cambridge University Pres India Pvt. Ltd., 2007. Print.
- 4. Samson.T,Geetha Rajeevan and Consultant Editor. *Interface 2*. New Delhi: Cambridge University Press India Pvt. Ltd., 2008. Print.
- 5. Samson.T,Geetah Rajeevan, M.D.V.K .Ayani Annie and Board of Editors. English for Life 2. New Delhi: Cambridge University press India Pvt. Ltd., 2008. print.
- 6. Sharma.R.C. and Krishna Mohan. *Business Correspondence and Report Writing*. New Delhi: Tata Mc Graw Hill Education Pvt. Ltd., 2010. Print.

COMMUNICATIVE ENGLISH – I I YEAR B.Com./B.Com.(BM)/ B.C.A./B.B.A.(CA) 20LEC101

SEMESTER I

QUESTION PAPER PATTERN

(From Batch 2020 onwards)

TIME: 3 hrs Marks – 75

Section – A (No Choice) (10x2=20)

(Objective and Short Answers)

Questions from Communication Skills

&

Interpersonal Communication Skills

Section – B (No Choice) (5x5=25)

Note - Making

Report – Writing

Publicity Literature (Advertisements)

Questions from Communication Skills -(Either or Type)

Interpersonal Communication Skills -(Either or Type)

Section – C (Either or Type) (3X10=30)

Essays 300 words

- 1. Prose / Poetry
- 2. Play / One-Act Play
- 3. Short Story / Biography

MODEL QUESTION PAPER (From Batch 2020)

COMMUNICATIVE ENGLISH -I 20LEC101 SEMESTER-I

I YEAR B.Com./B.Com.(BM)/ B.C.A./B.B.	A.(CA)			
Time:3hrs	Marks:75			
Section-A	(10x2=20)			
Answer the following:- (Objective and Short Answers)				
Fill in the blanks				
1. a)is the exchange of information or ideas.				
b).Effective communication involves using	_•			
2. Underline the consonant sounds in the following wor	rds.			
i)Man ii)Fat iii)Dark iv)Walk				
3. Write any two key features of a teleconference?				
4. State two expressions of persuading and debating.				
5. Choose the correct answer				
i) While answering a call speak (Rudely/Clea	rly)			
ii) Before you end up calling a wrong number				
(Apologize/ Hang up abruptly)				
6. Turn each of the following into polite request.				
i)Open the door.				
ii)Turn of the fan.				
7. Mark the stress on the following compound words.				
i)Earthworm ii)Overnight.				
8. Fill in the unsaid phrases (Pragmatics) in the following	ng extracts.			
i) What's going on here?				
ii) I came in only now.				
9. How will you handle the problem of customers when	the product delays			
in delivery of goods?				
10. Identify the Triphthongs in the following:- i)Shower	ii) iron			

Section-B

(5x5 = 25 Marks)

Answer the following:

11. Note-Making

The cosmetics industry is growing day by day. Big cosmetics giants make tall promises of flawless skin beauty upliftment, but on a contrary, there is an ugly side of this so-called beauty products. Many health hazardous monsters are hiding in these products. Studies and researches are showing that cosmetics usage is toxic, they contain chemicals and other chemicals which can cause cancer. Some brands of talcum powders which are used every day contain asbestos.

Unfortunately, consumers, particularly woman, are carried away by the telling and attractive advertisements. Very rarely do they read the contents of the cosmetics they use. For instance, the skin lightning creams which are available in India has hundreds of brands available each promising to make skin tone lighter, spot free and fairer. Research has proved that these products contain potentially hazardous chemicals like ammonia and hydrogen peroxide, p –phenylenediamine and toluene diamines. It causes skin irritation, pimples etc.

According to a report in the LAKME CONSUMER, temporary dyes contain metallic substances, like lead, which are toxic and can be absorbed through the scalp into the body. These temporary dyes are derived from Benzedrine, known to produce bladder cancer. Likewise, have you ever tried to look beyond the glow of nail polishes to its effects? Nail polish remover contains an ingredient called acetone which can cause your nail to become brittle and split. However, acetone is less toxic when compared toluene, another ingredient found in the nail polish. The basic ingredient used in nail polish is formaldehyde resin which can discolor the nails. It is a colorless gas with a strong, irritating smell, used also as an antiseptic for killing germs. Formaldehyde is also known by other names like methanol and meth aldehyde.

It may be interesting to know that of all the cosmetics lipstick is the most toxic and dangerous for three reasons. Firstly, women who apply lipstick swallow the chemicals directly. Secondly, it gets absorbed through the tender lip skin. And, finally, lipstick not only harms the user but also her mate.

Make notes on the above passage in a suitable format using recognizable abbreviations wherever necessary. Assign a suitable heading to the passage.

12. Report writing:

Write a detailed report on GST to the Editor, The Economic Times.

13. Prepare a brochure detailing the programme.

An Insurance Company is launching a new insurance scheme for couples, for Rs. 10,000, Rs. 25,000, Rs.50,000 or Rs. 100,000. Policy can be taken either by husband or wife or both. In the event of the death of one, survivor will get the full amount. If both survive till 60, premium will be paid with bonus, Tax benefits, salary deduction facilities.

14.a)Write a dialogue as asking permission from the Principal for extension of time to pay college fees.

OR

- b) How does spoken communication differ from written communication?
- 15. a)Mention the DO'S and DON'T'S in Verbal and Non-Verbal Communication.

OR

b) Make a note of a few occasions where people exchange greetings.

Section-C (Essay) (3x10=30) Answer the following in 300 words

16. a) What advice does Dr.S. Radhakrishnan give in his Essay *Character is Destiny?*

(or)

- b) Show the ironical twist and surprise ending of the story *The Gift of the Magi*
- 17.a) Write a critical summary of the poem, All the World's a Stage?

(or

- b) Write an essay on the daring personality of Malala Yousafzai and her accomplishments.
- 18.a) *The Never Never Nest* is a good example of how people manage to live a comfortable and luxurious life without having much money Justify?

(or)

b) How does the playwright build the atmosphere of suspense and horror in *The Monkey's Paw?*

* * * * *

YEAR – I SEMESTER – II PART – I ENGLISH

COMMUNICATIVE ENGLISH - II B.Com./B.Com.(BM)/ B.C.A./B.B.A.(CA) (From Batch 2020 onwards)

20LEC202
T* Third Revision
Hours: 5
Credit: 3

OBJECTIVE:

To expose the students to human values through Literature and to enable them acquire communication skills.

Course Outcomes:

At the end of the course, students will able to

CO1: Make use of literary texts to develop their reading skills.

CO2: Understand the basic business English for effective communication.

CO3: Understanding and inculcating universal human values through literature texts.

CO4: Develop Positive Self –Esteem and Inter-active skills.

CO5: Write business letters and prepare Resumes for Jobs and Career skills.

СО		OURS CODE: LEC20	-	TITLE OF THE PAPER: Communicative English -II						HOURS	CREDIT: 3			
COURSE PROGRAMME PROGRAMME SPECIFIC OUTCOMES (PSOUTCOMES (PO)					ES (PSC))	MEAN SCORE OF CO'S							
Со	Ро	Ро	Ро	Ро	Ро	PSo	PSo	PSo	PSo	PSo	PSo	PSo	PSo	Mean
	1	2	3	4	5	1	2	3	4	5	6	7	8	score
Co1	5	5	5	3	5	5	5	3	2	2	4	5	5	4.1
Co2	5	5	4	5	5	5	5	1	1	1	4	4	4	3.7
Co3	5	5	4	3	5	5	5	2	2	2	4	4	5	3.8
Co4	5	5	4	5	5	5	5	2	2	2	3	3	4	3.8
Co5	4	4	4	4	2	4	5	1	1	1	2	2 3 3		2.9
					Mea	n Over	all Sco	re						3.68

This Course is having **HIGH association** with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5

Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

UNIT- I [13 HRS]

Preparatory language skills

- 1. Indian Women S. Radhakrishnan (Prose)
- 2. The Solitary Reaper William Wordsworth (Poem)
- 3. The Purple Dress O'Henry (Short Story)

UNIT-II [13 HRS]

Basics of Business English

- 1. Importance of Effective Communication in Business Contexts
- 2. Face to Face Communication with Customers and Visitors.
- 3. Basic Skills for Talking to People in Transactional Situations
- 4. Receiving Visitors
- 5. Booking Hotel Accommodation
- 6. Making Small Talk and Telling Stories.
- 7. Group Discussions
- 8. Preparing for Interviews
- 9. Taking Interviews
- 10. Promotion Interviews

UNIT-III [13 HRS]

Literature

- 1. Give us a Role Model A.P.J. Abdul Kalam (Prose)
- 2. Sowali Mahasweta Devi (Story)
- 3. J.R.D's Words of Inspiration to Sudha Murthy (Prose)

UNIT-IV [12 HRS]

Discussions / Meetings / Team Skills

- 1. Preparing Agenda for Meetings
- 2. Writing Minutes of Meetings
- 3. Making Notes of Business conversations
- 4. Making Business Presentations
- 5. Business promotions and Language for Advertising
- 6. Negotiating

- 7. Communication Skills with Public, Fellow Employees, Supervisors and Customers
- 8. Soft Skills for Team Building
- 9. Team Maintenance and Task Maintenance roles
- 10. Brainstorming and Consensus Making Communication

UNIT-V [12 HRS]

JOBS AND CAREERS

- 1. Standard Business Letter
- 2. Applying for Jobs and Preparing Resumes
- 3. Writing cover letters for resumes

Communicative English - II

Text & Reference:

- 1. Aravindakshan.T.Y. *Reading Literature in English.* Chennai: Cambridge University press India Pvt. Ltd., 2012. print.
- 2. Board of Editors. Sunlight III. Chennai. Sankari Printers Pvt. Ltd., 2015. Print.
- 3. Samson.T, Geetha Rajeevan and Cosultant Editor. *Interface 2.* New Delhi: Cambridge University Press India Pvt., Ltd., 2008. Print.
- 4. Sharma.R.C. and Krishna Mohan. *Business Correspondence and Report Writing*. New Delhi: Tata Mc Graw Hill Education Pvt. Ltd., 2008. Print.
- 5. Sharma.R.C. and Krishna Mohan. *Business Correspondence and Report Writing*. New Delhi: Tata Mc Graw Hill Education Pvt. Ltd., 2010. Print.
- 6. Sivakumaran.V. et. al *Limelight 1*.Chennai: Sankar Printers Pvt., Ltd, 2015. Print.
- 7. Sivakumaran.V. et.al *Limelight 3*. Chennai: Sankari Printers Pvt. Ltd., 2015. Print.
- 8. Sivakumaran.V. et.al *Limelight 4*. Chennai. Sankari Printers Pvt. Ltd., 2015. Print.

Communicative English – II

I YEAR B.Com./B.Com.(BM)/ B.C.A./B.B.A.(CA) 20LEC202

SEMESTER II QUESTION PAPER PATTERN (From Batch 2020 onwards)

TIME: 3 hrs Marks – 75

Section – A (No Choice) (10x2=20)

(Objective and Short Answers)

Questions from Basics of Business English

&

Discussions / Meetings / Team Skills

Section – B (No Choice) (5x5=25)

Business Letters
Job Applications /Resumes
Writing Cover Letters.
Questions from Basics of Business English -(Either or Type)
Discussions / Meetings / Team Skills -(Either or Type)

Section – C (Either or Type) (3X10=30)

Essays 300 words

- 1. Prose / Poetry
- 2. Prose /Short Story
- 3. Prose /Story

MODEL QUESTION PAPER (From Batch 2020)

COMMUNICATIVE ENGLISH – II

I YEAR B.Com./B.Com.(BM)/ B.C.A./B.B.A.(CA) 20LEC202 SEMESTER II

TIME: 3 hrs	
Marks - 75	
Section – A (No Choice) (10x2	=20)
(Objective and Short Answers)	
1. Audience – orientation involves understanding the,,	and
of the audience.	
2. a) helps the participants to come prepared for a meeting.	
b)Prepare the soon after the meeting.	
3. Identify the words related to promoting a product service:	
(i) Audit (ii) U.S.P (iii) Target	
4. Explain Mock- Interview.	
5. Fill in the missing letters:-	
(i) EN_REP_EN_URS_IP	
(ii) OR_ANI_ATIO_AL BE_AV_OUR	
6. Give the Synonyms:	
(1) Credit	
(2) Tariff	
7. Supply the Missing Keywords:	
To be a successful at business conversations, you need to be	
Confident, actively, with the speaker and	
constantly monitor your and gestures.	
8. Write four points on writing minutes.	
9. Find the difference in meaning between the following pairs of wo	rds:-
* Check into and move into	
* Complimentary and complementary	
* Envelope and Envelop	

10. Write the characteristics of Group Disscussion.

Section - B (No Choice)

(5x5=25)

- 11. Write the format of Standard Business letter.
- 12. Prepare a resume for the job which you have recently seen in newspaper.
- 13. Write a cover letter for the post of Assistant Professor.
- 14. a) Write the unique features of Negotiation.

OR

- b) Prepare an Agenda on minutes of meeting.
- 15. a) How would you handle a customer who is bargaining for a cheaper price? Write a dialogue on that.

OR

b) Write a conversation between a customer and a sales person, where the customer wants to know about the new Android mobile phones in their shop.

Section – C (Either or Type)

(3X10=30)

Answer the following in 300 words

16. a) Analyse in detail – Women, the great conservators of our culture.

(or)

- b) Do you agree with the poet's statement in *Solitary Reaper* that he bore the music in his heart long after it was heard no more? Give reasons.
- 17. a) What was the experience of Maida on the day of "Thanks giving"?

(or)

- b) How does Dr. A.P.J Abdul Kalam drive home the point that children should have good role models?
- 18. a) Write a critical comment on Mahasweta Devi's Souvali.

(or)

b) What Sudha Murthy wants other Corporates to imbibe from the Infosys Foundation?

I B.A., ENGLISH SEMESTER – I PART – IV

PROFESSIONAL ENGLISH FOR ARTS AND SOCIAL SCIENCES - I For all I END, TAE, HID Courses From Batch 2020

CODE:20PEAS01
HRS / WK 1
CREDITS: 1

OBJECTIVES:

$\ \square$ To develop the language skills of students	by offering adequate	practice in professional
contexts.		

- \Box To enhance the lexical, grammatical and socio-linguistic and communicative competence of first year physical sciences students
- \Box To focus on developing students' knowledge of domain specific registers and the required language skills.

LEARNING OUTCOMES:

☐ Recognise their own	ability to	improve 1	their own	competence:	in using th	ne language
_ recognise then own	i ability to	mprove	men own	competence.	m usmg u	ic ranguage

- ☐ Use language for speaking with confidence in an intelligible and acceptable manner
- ☐ Understand the importance of reading for life
- ☐ Read independently unfamiliar texts with comprehension
- ☐ Understand the importance of writing in academic life
- ☐ Write simple sentences without committing error of spelling or grammar

NB: All four skills are taught based on texts/passages.

SEMI	EST	CC	URS	E	COURSE TITLE: PROFESSIONAL ENGLISH HOURS:1						CR	REDIT			
ER	−I	C	ODE:	:	FO	R ARTS	R ARTS AND SOCIAL SCIENCES - I								S:1
		20F	PEAS	01											
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OUTCOM OUTCOMES(PO)					PO)									SC	CORE
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CO1	5	5	4	1	5	5	5	5	5	4	5	5	5		4.5
CO2	5	5	4	1	5	5	5	2	2	2	4	4 5			3.7
CO3	5	5	3	1	5	5	5	4	4	4	5	5	5		4.3
CO4	5	5	5	1	5	5	5	4	4	4	5	5	5		4.4
CO5	5	5	5	1	5	5	5	2	2	2	4	4	4		3.7
	Mean Overall Score										4.1				

Result: The score of this course 4.1 (VERY HIGH)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

UNIT I: COMMUNICATION

3 HRS

Listening: Listening to audio text and answering questions

- Listening to Instructions

Speaking: Pair work and small group work.

Vocabulary: Register specific - Incorporated into the LSRW tasks

UNIT II: DESCRIPTION

3 HRS

Reading: Skimming/Scanning-

Reading passages on products, equipment and gadgets. **Writing:** Process Description –Compare and Contrast Paragraph-Sentence Definition and Extended definition- 3

Free Writing.

Vocabulary: Register specific -Incorporated into the LSRW tasks.

UNIT III: NEGOTIATION STRATEGIES

3 HRS

Listening: Listening to interviews of specialists / Inventors in fields

(Subject specific)

Speaking: Brainstorming. (Mind mapping). Small group discussions (Subject- Specific)

Vocabulary: Register specific - Incorporated into the LSRW tasks

UNIT IV: PRESENTATION SKILLS

3 HRS

Reading: Reading Comprehension passages

Writing: Writing Recommendations

Interpreting Visuals inputs

Vocabulary: Register specific - Incorporated into the LSRW tasks

UNIT V: CRITICAL THINKING SKILLS

3 HRS

Listening: Listening comprehension- Listening for information.

Speaking: Making presentations (with PPT- practice). **Reading**: Comprehension passages –Note making.

Comprehension: Motivational article on Professional Competence,

Professional Ethics and Life Skills)

Writing: Problem and Solution essay—Creative writing –Summary writing

Vocabulary: Register specific - Incorporated into the LSRW tasks

I B.A., ENGLISH	PROFESSIONAL ENGLISH FOR ARTS	CODE:20PEAS02
SEMESTER – II	AND SOCIAL SCIENCES-II	HRS / WK 1
PART – IV	For I END, TAE, HID Courses From Batch 2020	CREDITS: 1

Objectives:

- The Professional Communication Skills Course is intended to help Learners in Arts and Science colleges,
- Develop their competence in the use of English with particular reference to the workplace situation.
- Enhance the creativity of the students, which will enable them to think of innovative ways to solve issues in the workplace.

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TER II		20]	PEAS	S02		EN	NGLISH	I FOR	ARTS A	AND S	OCIAL		R:1	TS:1
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CO2	5	5	4	5	5	5	5	5	4	5	5	3	4	4.6
CO3	5	5	4	5	5	5	5	5	3	4	5	4	5	4.6
CO4	4	5	5	5	5	4	5	5	4	5	5	5	3	4.6
CO5	5	5	5	5	4	5	5	5	3	4	5	5	3	4.5
					Mea	n Ove	erall S	core						4.5

Result: The score of this course 4.5 (VERY HIGH)

Associatio	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
n					
Scale	1	2	3	4	5
Interval	0<=rating<=	1.1<=rating<=	2.1<=rating<=	3.1<=rating<=	4.1<=rating<=
	1	2	3	4	5
Rating	Very Poor	Poor	Moderate	High	Very High

The value shows that the course has **VERY HIGH** association with programme outcomes and programme specific outcomes

Unit I- Communicative Competence

3 HRS

Listening – Listening to two talks/lectures by specialists on selected subject specific topics - (TED Talks) and answering comprehension exercises (inferential questions)

Speaking: Small group discussions (the discussions could be based on the listening and reading passages- open ended questions

Unit II - Persuasive Communication

3 HRS

Reading: reading texts on advertisements (on products relevant to the subject areas) and answering inferential questions

Writing: dialogue writing- writing an argumentative /persuasive essay.

Unit III- Digital Competence

3 HRS

Listening to interviews (subject related)

Speaking: Interviews with subject specialists (usingvideo conferencing skills)

Creating Vlogs (How to become a vlogger and use vlogging to nurture interests – subject related)

Unit IV - Creativity and Imagination

3 HRS

Reading: Essay on Creativity and Imagination (subject based) **Writing** – Basic Script Writing for short films (subject based)

- Creating webpages, blogs, flyers and brochures (subject based)
- Poster making writing slogans/captions(subject based)

Unit V- Workplace Communication & Basics of Academic Writing 3 HRS

Speaking: Short academic presentation using PowerPoint

Reading & Writing: Product Profiles, Circulars, Minutes of Meeting.

Writing an introduction, paraphrasing

I B.Sc.,	
SEMESTER – I	
PART – IV	

PROFESSIONAL ENGLISH FOR LIFE SCIENCES - I

CODE:20PELS01							
HRS / WK 1							
CREDITS: 1							

OBJECTIVES:

☐ To develop	the language	skills of st	udents by	offering	adequate	practice in	n professiona
contexts.							

- \Box To enhance the lexical, grammatical and socio-linguistic and communicative competence of first year physical sciences students
- \Box To focus on developing students' knowledge of domain specific registers and the required language skills.

LEARNING OUTCOMES:

Recognise t	heir own	ability to	improve	their own	competence	in using t	the language
			1		I	0	

- ☐ Use language for speaking with confidence in an intelligible and acceptable manner
- ☐ Understand the importance of reading for life
- ☐ Read independently unfamiliar texts with comprehension
- ☐ Understand the importance of writing in academic life
- ☐ Write simple sentences without committing error of spelling or grammar

NB: All four skills are taught based on texts/passages.

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		20F	PELS()1											
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CO1	5	5	4	1	5	5	5	5	5	4	5	5	5		4.5
CO2	5	5	4	1	5	5	5	2	2	2	4	4	5		3.7
CO3	5	5	3	1	5	5	5	4	4	4	5	5	5		4.3
CO4	5	5	5	1	5	5	5	4	4	4	5	5	5		4.4
CO5	5	5	5	1	5	5	5	2	2	2 4 4 4					3.7
						Me	an Ov	erall So	core						4.1

Result: The score of this course 4.1 (VERY HIGH)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Units	Content
	Listening- Listening to Instructions
	Imperatives
Unit 1	Speaking- Role play Modals
	Reading-Skimming & Scanning
Unit 2	Learning new words and concepts One word substitutes
	Writing- Developing story from Pictures
Unit 3	Listening- Listening to Interviewers
	Speaking- brainstorming
	Small group discussions
	Reading- comprehension passages
Unit 4	Writing- essay writing
	Collocational and idiomatic use of vocabulary
	Listening- listening comprehension
	Speaking- Negotiation & Mind Mapping
	Reading- note making
Unit 5	Writing – process description Compare and contrast
	Sentence definition and extended definition

I SEMESTER – I PART – IV

PROFESSIONAL ENGLISH FOR COMMERCE & MANAGEMENT - I

CODE:20PECM01								
HRS / WK 1								
CREDITS: 1								

OBJECTIVES:

$\hfill\Box$ To develop	the language	skills of stu	idents by	offering	adequate	practice i	n profe	ssional
contexts.								

 \Box To enhance the lexical, grammatical and socio-linguistic and communicative competence of first year physical sciences students

 \Box To focus on developing students' knowledge of domain specific registers and the required language skills.

LEARNING OUTCOMES:

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- ☐ Use language for speaking with confidence in an intelligible and acceptable manner
- ☐ Understand the importance of reading for life
- ☐ Read independently unfamiliar texts with comprehension
- ☐ Understand the importance of writing in academic life
- ☐ Write simple sentences without committing error of spelling or grammar

NB: All four skills are taught based on texts/passages.

ואט. הו	ND. All Tour Skills are taught based on texts/passages.													
SEMI	EST	COURSE CO				OURSE TITLE: PROFESSIONAL ENGLISH HOURS:1								CREDIT
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	1	2	3	4	5	O1	O2	O3	O4	O5	6	O7	8	score
CO1	5	5	4	1	5	5	5	5	5	4	5	5	5	4.5
CO2	5	5	4	1	5	5	5	2	2	2	4	4	5	3.7
CO3	5	5	3	1	5	5	5	4	4	4	5	5	5	4.3
CO4	5	5	5	1	5	5	5	4	4	4	5	5	5	4.4
CO5 5 5 5 1 5				5	5	2	2	2	4	4	4	3.7		
		•		•	•	Me	an Ove	erall So	core				•	4.1

Result: The score of this course 4.1 (VERY HIGH)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Table of Contents

Units	Content	Page no
	Listening - Listening to Instructions	2
Unit 1	Speaking- Pair work and small group work	4
	Linking words	8
	Small Group Discussions	9
	Reading-Skimming & Scanning	11
Unit 2	Checking Facts & Opinions	14
	Writing-Product Description	15
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	Speaking- Role Play	18
	Reading- Listening comprehension	20
Unit 4	Writing- One word Substitutes	25
Unit 4	Modals	26
	Definitions	27
	Listening- Listening to Interviews of Specialists	30
	Speaking- Negotiation & Mind Mapping	33
	Reading- The Merchant of Venice	36
Unit 5	Note Making	39
	Writing - Developing story from Pictures	43
	Creative writing	47
	Significance of Written Communication in Business	51

ı	DDOFFECIONAL FNOLICIL FOR DUVELCAL COLENCES	CODE:20PEPS01
SEMESTER – I	PROFESSIONAL ENGLISH FOR PHYSICAL SCIENCES -	HRS / WK 1
PART – IV	•	CREDITS: 1

OBJECTIVES:

language skills.

☐ To develop the language skills of students by offering adequate practice in professional
contexts.
☐ To enhance the lexical, grammatical and socio-linguistic and communicative competence of
first year physical sciences students
☐ To focus on developing students' knowledge of domain specific registers and the required

LEARNING OUTCOMES:

☐ Recognise their own ability to improve their own competence in using the language
☐ Use language for speaking with confidence in an intelligible and acceptable manner
☐ Understand the importance of reading for life
☐ Read independently unfamiliar texts with comprehension
☐ Understand the importance of writing in academic life
☐ Write simple sentences without committing error of spelling or grammar

NB: All four skills are taught based on texts/passages.

SEMI	EST	CC	OURS	Е	COUF	RSE TITLE: PROFESSIONAL ENGLISH HOURS:1							5:1	C	REDIT
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CO1	5	5	4	1	5	5	5	5	5	4	5	5	5		4.5
CO2	5	5	4	1	5	5	5	2	2	2	4	4	5		3.7
CO3	5	5	3	1	5	5	5	4	4	4	5	5	5		4.3
CO4	5	5	5	1	5	5	5	4	4	4	5	5	5		4.4
CO5 5 5 5 1 5				5	5	2	2	2	4	4	4		3.7		
		•	•	•		Me	an Ov	erall So	core				•		4.1

Result: The score of this course 4.1 (VERY HIGH)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

UNIT 1: COMMUNICATION

Listening: Listening to audio text and answering questions - Listening to Instructions

Speaking: Pair work and small group work.

UNIT 2: DESCRIPTION

Reading: Skimming/Scanning- Reading passages on products, equipment and gadgets. Writing: Process Description –Compare and Contrast Paragraph-Sentence Definition and

Extended definition- Free Writing.

Vocabulary: Register specific -Incorporated into the LSRW tasks.

UNIT 3: NEGOTIATION STRATEGIES

Listening: Listening to interviews of specialists / Inventors in fields (Subject specific) Speaking: Brainstorming. (Mind mapping). Small group discussions (Subject- Specific)

Vocabulary: Register specific - Incorporated into the LSRW tasks

UNIT 4: PRESENTATION SKILLS

Reading: Reading Comprehension passages

Writing: Writing Recommendations Interpreting Visuals inputs Vocabulary: Register specific - Incorporated into the LSRW tasks

UNIT 5: CRITICAL THINKING SKILLS

Listening: Listening comprehension-Listening for information.

Speaking: Making presentations (with PPT- practice).

Reading: Comprehension passages –Note making. Comprehension: Motivational article on

Professional Competence, Professional Ethics and Life Skills)

Writing: Problem and Solution essay - Creative writing - Summary writing

Vocabulary: Register specific - Incorporated into the LSRW tasks

I		CODE:20PELS02
SEMESTER – II	PROFESSIONAL ENGLISH FOR LIFE SCIENCES - II	HRS / WK 1
PART – IV		CREDITS: 1

OBJECTIVES:☐ To develop the language

10 develop the language skills of students by offering adequate practice in professional
contexts.
☐ To enhance the lexical, grammatical and socio-linguistic and communicative competence of
first year physical sciences students
☐ To focus on developing students' knowledge of domain specific registers and the required
language skills.

LEARNING OUTCOMES:

Recognise their own ability to improve their own competence in using the language
Use language for speaking with confidence in an intelligible and acceptable manner
Understand the importance of reading for life
Read independently unfamiliar texts with comprehension
Understand the importance of writing in academic life
Write simple sentences without committing error of spelling or grammar

NB: All four skills are taught based on texts/passages.

ND. All Tour skins are taught based on texts/passages.														
SEMI	EST COURSE				COURSE TITLE: PROFESSIONAL ENGLISH HOURS:1							5:1	CREDIT	
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COUI	RSE	PI	ROGF	RAMN	1E	PRO	GRAM	ME SI	PECIF	IC OU'	ГСОМ	ES (PS	O)	MEAN
OUTC	COM	OU	TCO	MES(I	PO)									SCORE
ES														OF CO'S
Co	РО	РО	РО	РО	РО	PS	PS	PS	PS	PS	PSO	PS	PSC	O Mean
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CO1	5	5	4	1	5	5	5	5	5	4	5	5	5	4.5
CO2	5	5	4	1	5	5	5	2	2	2	4	4	5	3.7
CO3	5	5	3	1	5	5	5	4	4	4	5	5	5	4.3
CO4	5	5	5	1	5	5	5	4	4	4	5	5	5	4.4
CO5	5 5 5 1 5		5	5	5	2	2	2	4	4	4	3.7		
						Me	an Ove	erall So	core					4.1

Result: The score of this course 4.1 (VERY HIGH)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Units	Content	Pageno
	Listening- Listening to lectures by specialists and answering comprehension exercises	
	Speaking: Debate	
Unit1		
	Just a minute (JAM)	
	Reading- Reading text on advertisement	
Unit2	Writing: Persuasive essay	
Unit3	Listening- Interviews with subject specialists and its skills	
	Speaking-Interviews with subject specialists and its skills	
	Reading- Essay on creativity and imagination	
Unit4	Writing- basic script writing for short films -creating vlogs, flyers	
	Speaking-short academic presentation using powerpoint	
	Reading- Minutes of meeting	
	Writing-Punctuations(comma, semicolon, brackets etc)	
	Speaking – Short Academic Presentation Using Powerpoint	
Unit 5	Writing – Product Profiles, Circulars, Minutes of Meeting, Writing an Introduction, Paraphrasing, Punctuation, Capitalization.	

I	DDOFFSSIONAL FNOLISH FOR COMMEDCE 9	CODE:20PECM02
SEMESTER – II	PROFESSIONAL ENGLISH FOR COMMERCE & MANAGEMENT - II	HRS / WK 1
PART – IV	IVIANAGEIVIENT - II	CREDITS: 1

OBJECTIVES:

☐ To develop the language skills of students by offering adequate practice in professional
contexts.
☐ To enhance the lexical, grammatical and socio-linguistic and communicative competence of
first year physical sciences students
☐ To focus on developing students' knowledge of domain specific registers and the required
language skills.

LEARNING OUTCOMES:

☐ Recognise their own ability to improve their own competence in using the language
☐ Use language for speaking with confidence in an intelligible and acceptable manner
☐ Understand the importance of reading for life
☐ Read independently unfamiliar texts with comprehension
☐ Understand the importance of writing in academic life
☐ Write simple sentences without committing error of spelling or grammar

NB: All four skills are taught based on texts/passages.

SEMI	EST	CC	URS	Е	COURSE TITLE: PROFESSIONAL ENGLISH HOURS:1 C									CF	REDIT
ER -	–II	C	ODE:		FOR	FOR COMMERCE & MANAGEMENT - II									S:1
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	1	2	3	4	5	O1	O2	O3	O4	O5	6	O7	8		score
CO1	5	5	4	1	5	5	5	5	5	4	5	5	5		4.5
CO2	5	5	4	1	5	5	5	2	2	2	4	4	5		3.7
CO3	5	5	3	1	5	5	5	4	4	4	5	5	5		4.3
CO4	5	5	5	1	5	5 5 5 4 4 4 5 5 5									4.4
CO5	5	5	5	1	1 5 5 5 2 2 2 4 4 4									3.7	
	•	•	•	•	•	Me	an Ov	erall So	core	•		•	•		4.1

Result: The score of this course 4.1 (VERY HIGH)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcom

CONTENTS

UNIT -I SOME SPECIFIC BUSINESS AND ECONOMIC

VOCABULARY

UNIT- II PERSUASIVE COMMUNICATION

UNIT-III DIGITAL COMPETENCE

UNIT - IV CREATIVE AND IMAGINATION

UNIT - V WORK PLACE COMMUNICATION

I SEMESTER – I PART – IV

PROFESSIONAL ENGLISH FOR PHYSICAL SCIENCES - II

CODE:20PEPS02
HRS / WK 1
CREDITS: 1

OBJECTIVES:

☐ To develop	the language	skills of stu	dents by of	fering adeq	uate practice	in professional
contexts.						

- \Box To enhance the lexical, grammatical and socio-linguistic and communicative competence of first year physical sciences students
- \Box To focus on developing students' knowledge of domain specific registers and the required language skills.

LEARNING OUTCOMES:

	Recognise	their o	own ability	to	improve	their	own	competence	in	using the	e language
_	rteesgmse		o win donney	•	mpro , c		0 11 11	competence		asing the	, ranguage

- ☐ Use language for speaking with confidence in an intelligible and acceptable manner
- ☐ Understand the importance of reading for life
- ☐ Read independently unfamiliar texts with comprehension
- ☐ Understand the importance of writing in academic life
- ☐ Write simple sentences without committing error of spelling or grammar

NB: All four skills are taught based on texts/passages.

SEMI	EST	CC	URS	Е	COUF	COURSE TITLE: PROFESSIONAL ENGLISH HOURS:1 CI								CREDIT	
ER	_I	C	ODE:			FOR PHYSICAL SCIENCES - II								S:1	
		20H	PEPS()2											
COU	RSE	PF	ROGF	RAMN	I E	PRO	GRAM	ME SI	PECIF	IC OU'	ТСОМ	ES (PS	(O)	MEAN	
OUTC	COM	OU	TCO	MES(I	PO)									SCORE	
ES	5													OF CO'S	
Co	PO	PO	PO	PO	PO	PS	PS	PS	PS	PS	PSO	PS	PS	O Mean	
	1	2	3	4	5	01	O2	O3	O4	O5	6	O7	8	score	
CO1	5	5	4	1	5	5	5	5	5	4	5	5	5	4.5	
CO2	5	5	4	1	5	5	5	2	2	2	4	4	5	3.7	
CO3	5	5	3	1	5	5	5	4	4	4	5	5	5	4.3	
CO4	5	5	5	1	5	5	5 5 4 4 4 5 5 5							4.4	
CO5 5 5 5 1 5 5 5 2 2 2 4 4 4 1									3.7						
						Me	an Ove	erall So	core					4.1	

Result: The score of this course 4.1 (VERY HIGH)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

UNIT 1: COMMUNICATION

Listening: Listening to audio text and answering questions - Listening to Instructions Speaking: Pair work and small group work.

UNIT 2: DESCRIPTION

Reading: Skimming/Scanning- Reading passages on products, equipment and gadgets. Writing: Process Description –Compare and Contrast Paragraph-Sentence Definition and Extended definition- Free Writing.

Vocabulary: Register specific -Incorporated into the LSRW tasks.

UNIT 3: NEGOTIATION STRATEGIES

Listening: Listening to interviews of specialists / Inventors in fields (Subject specific) Speaking: Brainstorming. (Mind mapping). Small group discussions (Subject- Specific) Vocabulary: Register specific - Incorporated into the LSRW tasks

UNIT 4: PRESENTATION SKILLS

Reading: Reading Comprehension passages

Writing: Writing Recommendations Interpreting Visuals inputs Vocabulary: Register specific - Incorporated into the LSRW tasks

UNIT 5: CRITICAL THINKING SKILLS

Listening: Listening comprehension-Listening for information.

Speaking: Making presentations (with PPT- practice).

Reading: Comprehension passages -Note making. Comprehension: Motivational article on

Professional Competence, Professional Ethics and Life Skills)

Writing: Problem and Solution essay - Creative writing - Summary writing

Vocabulary: Register specific - Incorporated into the LSRW tasks

UG II YEAR	இந்தியநிர்வாகம் கி.பி. 600 வரை	19ETA42
	(INDHIYA NIRVAGAM)	
	இரண்டாம் ஆண்டு	
SEMESTER – IV	(B.A., Tamil)	HRS/WEEK – 7
Elective –III		CREDIT – 5

பகுதி- 1: பண்டைய இந்திய நிர்வாகம் (மௌரியர் காலம் நிர்வாகம் -குப்தர் கால நிர்வாகம் குஷானர் கால நிர்வாகம் - மைய அரசு - மாகாண அரசு - கிராம நிர்வாகம்

பகுதி-2: இடைக்கால இந்திய நிர்வாகம் - டெல்லி சுல்தானியர் கால நிர்வாகம் -முகலாயர் கால நிர்வாகம் - ஷெர்ஷா நிர்வாகமுறை மைய அரசு - மாகாண அரசு - கிராம நிர்வாகம்

பகுதி-3: பண்டைய தமிழக நிர்வாக முறை - சங்ககால ஆட்சிமுறை -பல்லவர் , பாண்டியர் கால நிர்வாகமுறை - சோழர்கால நிர்வாகம் - மைய அரசு மாகாண அரசு - கிராம நிர்வாகம் .

பகுதி-4: ஆங்கிலேயர் கால நிர்வாகம் -மைய அரசு மாகாண அரசு - தல சுய ஆட்சி -நிர்வாக சீர்திருத்த சட்டங்கள்

பகுதி-5:சுதந்திர இந்தியாவின் நிர்வாகம் - மைய அரசு , மாநில மாவட்ட நிர்வாகம் -பஞ்சாயத்து ராஜ்யமுறை - நிர்வாக சீர்திருத்த சட்டங்கள்

துணை நூல் பட்டியல்:

- 1.இந்திய பொது நிர்வாகம் , ஆசிரியர் :டாக்டர்.க.வெங்கடேசன் , v .c பதிப்பகம்
- 2. Public Administration, Principle, Practices, Prespectives, Author: Dr. K. Venkatesan, V. C. Publications.

UG III YEAR	தகவல் தொடர்பியல் -	19ETA53
	முனைவர் கி. இராசா	
	மூன்றாம் ஆண்டு	
SEMESTER – VI	(B.A., Tamil)	HRS/WEEK – 6
Main - III		CREDIT – 5

அலகு 1 : கொள்கைகளும் கோட்பாடுகளும் அலகு 2 : தகவல் தொடர்புச் சாதனங்கள்

அலகு 3 : வானொலி

அலகு 4 : தொலைக்காட்சி, திரைப்படம்

அலகு 5 : விளம்பரம், இணையம்

பாடநூல் : முனைவர் கி. இராசா **–**மக்கள் தகவல் தொடர்பியல் அறிமுகம்,

பாவை பப்ளிகேஷன்ஸ், 142, ஜானிஜான்கான் சாலை, இராயப்பேட்டை, சென்னை —600 014.

பார்வை நூல்கள் :

 வே. தயாளன், வ. ஜெயா, மக்கள் தகவல் தொடர்பியல், ஜெயா பதிப்பகம், கோயம்புத்தூர் - 1998.

 முனைவர் மு. கோமதி, தகவல் தொடர்பு ஊடகங்களில் இலக்கியச் செல்வாக்கு, மோகன் முகில் பதிப்பகம்,
 தண்டபாணி நகர், கோண்டூர், கடலூர்-2.

3. வெ. கிருஷ்ணமூர்த்தி, தகவல் தொடர்பியல், மணிவாசகர் பதிப்பகம், சென்னை, 1991.

4. வெ. நல்லதம்பி, தொலைக்காட்சியும் பிறதகவல் துறைகளும், வள்ளுவன் வெளியீட்டகம், திருவான்மியூர், சென்னை - 41, 1990.

UG III YEAR	நாட்டுப்புறவியல் - முனைவர் ச.சக்திவேல் மூன்றாம் ஆண்டு	19ETA54
SEMESTER - V	(B.A., Tamil)	HRS/WEEK – 6
Elective- I		CREDIT – 5

அலகு 1: நாட்டுப்புறவியல் - விளக்கம் - நாட்டுப்புறவியலின் சமூக முக்கியத்துவம் - நாட்டுப்புறவிலக்கியங்கள் தோன்றுவதற்கான காரணங்கள் - நாட்டுப்புற இலக்கியங்களைப் பாதுகாத்தல்

அலகு 2:

நாட்டுப்புறக் கலைகள் பற்றிய விளக்கமான செய்திகள் - நம்பிக்கைகள் - பழக்க வழக்கங்கள் - நாட்டுப்புற விடுகதைகள், பழமொழிகள்

அலகு 3:

பிறப்பு முதல் இறப்பு முடிய உள்ள நாட்டுப்புறச் சடங்குகள் - நாட்டுப்புற விளையாட்டுகள் -திருவிழாக்கள் - சகுணம் - தாலாட்டு

அலகு 4:

நாட்டுப்புற இலக்கிய வகைகள் - பாடல், கதை, கதைப்பாடல், புராணக்கதை - நாட்டுப்புறத் தெய்வ வழிபாட்டு முறைகள் - குல தெய்வ வழிபாடு

அலகு 5:

நாட்டுப்புறப் பாடல்களின் இலக்கியச் சிறப்பு - கற்பனை - உவமை, உருவகம், அறிவியல் மருத்துவம், தொழில் நுட்பம்

பாடநூல் : நாட்டுப்புற இயல் ஆய்வு முனைவர் ச. சக்திவேல், மணிவாசகர் பதிப்பகம், 12 ஆ மேலசன்னதி வீதி, சிதம்பரம்-1.

பார்வை நூல் :

- 1. நாட்டார் கள ஆய்வு தே. லூர்து
- 2. நாட்டார்வழக்காறுகள் தே. லூர்து
- 3. நாட்டுப்புறப் பாடல்கள் காட்டும் தமிழர்வாழ்வியல் முனைவர் ஆறு. அழகப்பன்
- 4. தமிழகநாட்டுப்புறக் கலைகள் ஓர் ஆய்வு முனைவர்அ.ம.சத்தியமூர்த்தி

www.tamilvu.com

www.noolagam.com,

www.maduraiproject.com, www.tamilnation.org

UG III YEAR	படைப்பிலக்கியம்-	19ETA66
	முனைவர் மு. சுதந்திரமுத்து	
	மூன்றாம் ஆண்டு	
SEMESTER - VI	(B.A., Tamil)	HRS/WEEK – 6
Elective- IV		CREDIT – 5

அலகு 1 : படைப்பிலக்கியம்

அலகு 2 : மரபுக்கவிதை

அலகு 3 : புதுக்கவிதை

அலகு 4 : சிறுகதை

அலகு 5 : ஓரங்க நாடகம்

பாடநூல் : முனைவர் மு. சுதந்திரமுத்து அநிவுப் பதிப்பகம், 142 17 , ஜானிஜான்கான் ரோடு இராயப்பேட்டை சென்னை — 600 014.

பார்வை நூல்கள்:

- அ.கி. பரந்தாமனார் 'நல்ல தமிழ் எழுத வேண்டுமா?'
 பாரி நிலையம், 184, பிரகாசம் சாலை,
 சென்னை 600 108.
- கா. பட்டாபிராமன் 'மொழி பயன்பாடு'
 நியூசெஞ்சுரி புக் ஹவுஸ், அம்பத்தூர்,
 சென்னை 600 090.
- கோ. இளையபெருமாள் 'தமிழில் பிழையின்றி எழுதுவது எப்படி?'
 வானதிப் பதிப்பகம், 23, தீன தயாளு தெரு,
 நகர், சென்னை 17.

UG III YEAR	PROJECT (ஆய்வேடு- கள ஆய்வு,நூல்	19EU601
	ஆய்வு)	
	மூன்றாம் ஆண்டு	
SEMESTER – VI	(B.A., Tamil)	HRS/WEEK – 6
Elective- II		CREDIT – 4

(PROJECT) ஆய்வுத் திட்டம்

வழிகாட்டுதல்கள்:

- 🕨 குழுவாக ஆய்வுத் திட்டம் மேற்கொள்ளப்படும்.
- 🕨 ஒரு குழுவிற்கு நேரடி மாணவர்களின் அதிகபட்ச எண்ணிக்கை 5
- ஆய்வுத் திட்டப்பணி ஆய்வு செய்யும் இடத்திற்கு நேரில் சென்று செய்யப்பட வேண்டும் (முன்னுரிமை) அல்லது இணைய வழியாக செய்யப்பட வேண்டும்.
- ஆய்வுத் திட்ட அறிக்கையானது கையால் எழுதப்பட்ட தாளும், மென் தகடும் (soft copy) துறையில் சமர்பிக்கப்பட வேண்டும்.

தேர்வு முறை:

🕨 ஆய்வுத் திட்ட அறிக்கை - 75 மதிப்பெண்

≻ வாய்மொழித் தேர்வு 🔀 - 25 மதிப்பெண்

ஒருதலைப்பின் கீழ் கிளைத்தலைப்புகள் கொடுக்கபட்டும், கல்வெட்டியல், சுவடியல் குறித்தஆய்வுகள், 'ஊரும் பேரும்'–என்ற நிலையில் கள ஆய்வுகள் மேற்கொள்ளலாம்.

நாட்டுப்புறப்பாடல்கள், சிறுதெய்வவழிபாடு, கடல் சார் நிலம், நெய்தல் திணைக்கானநிலம் என சிலதலைப்புகள் கொடுத்து ஆய்வுகள் மேற்கொள்ளலாம்.

சூழல் அமைவிற்குஏற்ப, ஆய்வுபெருந்தொற்றைக் கருத்தில் கொண்டு பாதிப்புகள் தவிர்த்து உள்ளார்ந்தநிலையில் விருப்பப்பட்டப் பாடப்பகுதியல் 50 பக்கங்களுக்குக் குறையாமல் ஆய்வு அறிக்கை சமர்ப்பிக்க வலியுறுத்துதல.

சங்க இலக்கிய நூல்கள், நீதிநூல்கள் இவற்றில் ஏதேனும் ஒரு நூலைத் தோவுசெய்து 'நூல் ஆய்வு' மேற்கொள்ளலாம்.

கடலூர் எழுத்தாளர்கள், வட்டாரப்படைபாளிகள், இலக்கியத்தில் இயற்கை, பண்பாடு, இலக்கியமாந்தர்கள் இப்படி ஏதேனும் ஒருநோக்கில் ஆய்வுகள் மேற்கொள்ளலாம்.

UG II YEAR	சமய இலக்கியம் இரண்டாம் ஆண்டு	19 TA407
SEMESTER – IV	(B.A., Tamil)	HRS/WEEK – 6
Main –I		CREDIT – 4

- அலகு1 :திருஞானசம்பந்தா் திருச்சிராப்பள்ளிபதிகம் (நற்றுடையானை எனத்தொடங்கும் 11 பாடல்கள்) திருநாவுக்கரசா் - 4 ஆம் திருமுறை''திருவதிகைவீரட்டானம்'' கொல்லிபதிகம் 10 பாடல்கள்
- அலகு 2 :சுந்தரர் "பொன்னார் மேனியனே"எனத்தொடங்கும் பாடல் முதல் 10 பாடல்கள் மாணிக்கவாசகர் - திருவாசகம் - அச்சோபதிகம் 10 பாடல்கள் அருணகிரிநாதர் - திருப்புகழ் - திருஆவினன்குடி 104லிருந்து 108 வரை
- அலகு 3 :நம்மாழ்வார் திருவாய்மொழி "உயர்வரஉயர்நலம் உடையவன்" எனத் தாடங்கி10 பாடல்கள்

பெரியாழ்வார் - திருப்பல்லாண்டு (11 பாடல்கள்)

- **அலகு 4 :குணங்குடி மஸ்தான் சாகிபு**–நிராமயக்கண்ணிமுதல் 25 கண்ணிகள்.
- **அலகு 5 :வீரமாமுனிவர் -தேம்பாவணி** நீர் வரம் அடைந்தபடலம்

பார்வை நூல்கள்:

- 1. டாக்டர் ப. அருணாசலம் : பக்தி இலக்கியம் ஓர் அறிமுகம்,தமிழ்ப் புத்தகாலயம், பைகிராப்ட்ஸ் ரோடு, சென்னை-5, 1973.
- 2. முனைவர்சோ.ந. கந்தசாமி : திருமுறை இலக்கியம்,உலகத் தமிழாராய்ச்சிநிறுவனம், சென்னை - 113,1995.
- 3. ப. அருணாசலம் :வைணவசமயம்,பாரிபுத்தகப் பண்ணை,சென்னை,1982.
- 4. மயிலைசீனி. வேங்கடசாமி : கிறித்துவமும் தமிழும்,கழகவெளியீடு, சென்னை-18,2000.
- 5. முனைவர்சி. நயினார்: மஸ்தான் சாகிபும் தாயுமானவரும்,முகம்மது
- உமறுபதிப்பகம், 6,பேராசிரியர்குடியிருப்பு

திருச்சிராப்பள்ளி-20,1993

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UG III YEAR	காப்பியங்கள் மூன்றாம் ஆண்டு	19 TA509
SEMESTER – V	(B.A., Tamil)	HRS/WEEK – 6
Main – I		CREDIT – 5

அலகு1 :சிலப்பதிகாரம் - மதுரைக்காண்டம் (அடைக்கலக்காதை, கொலைக்களக்காதை, ஆய்ச்சியர் குரவை, துன்பமாலை, ஊர்சூழ்வரி, வழக்குரைகாதை)

அலகு 2 :சீவகசிந்தாமணி – குணமாலையார் இலம்பகம்

அலகு 3 :கம்பராமாயணம் - யுத்தகாண்டம் - கும்பகர்ணன் வதைப்படலம்

அலகு 4 : இரட்சண்யயாத்ரிகம் - நிதானிநட்புப்படலம்

அலகு 5 :சீறாப்புராணம் - தசைக் கட்டியைபெண்ணுருஅமைத்தபடலம்

பார்வை நூல்கள்:

1. வ.சுப. மாணிக்கம் : இரட்டைக் காப்பியங்கள்,செல்லப்பாபதிப்பகம்,மீனாட்சிபுத்தக நிலையம்(விற்பனைஉரிமை),மதுரை-625 001,2007.

- 2. மு. வரதராசனார் : இளங்கோ,கண்ணகி,மாதவிபாரிநிலையம்,சென்னை-108.
- 3. தெ.பொ. மீனாட்சிசுந்தரனார் : குடிமக்கள் காப்பியம்,மீனாட்சிபுத்தகநிலையம், மதுரை-625 001,1974.
- 4. அ.ச.ஞானசம்பந்தன் :கம்பன் புதியபார்வை,கம்பன் கழகவெளியீடு, வானதிபதிப்பகம்,தி. நகர்,சென்னை-17,1984.

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UG III YEAR	் சுவடியலும் கல்வெட்டியலும்	19 TA511
	மூன்றாம் ஆண்டு	
SEMESTER – V	(B.A., Tamil)	HRS/WEEK – 6
Main – III		CREDIT – 5

அலகு1 :சுவடியியல் விளக்கம் - சொற்பொருள் - சுவடிப் பயிற்சியின் இன்றியமையாமைசுவடிகளின் தோற்றம் வளர்ச்சி, இன்றையநிலை—பாதுகாக்கும் முறை— பதிப்பிக்கும் முறை.

அலகு2 :சுவடிகள் அமைப்பு—புறஅமைப்பு, அக அமைப்புசுவடிகளின் வகைகள் ஓலைச்சுவடிகள் தாள் சுவடிகள் அரியகையெழுத்துச் சுவடிகள்.

அலகு3 :சுவடிகளின் எழுத்துமுறை—வரிவடிவம்,திரிபுர்ம் தெரிவம் - எழுத்துகள் உயர் மெய் எழுத்துகளின் வரி வடிவ அமைப்பஅவற்றுக்காககாரணங்கள்.

அலகு 4 : சுவடிகளைத் திரட்டுதல் - சுவடிப்பதிப்புமுறைகளின் மூல பாடம் - நடைஅய்வு—படிஎடுத்தல் - ஓப்பிடுமீட்டுருவாக்கம் செய்தல் - பதிப்பித்தல்.

அலகு 5 : கல்வெட்டுதோற்றம் வளர்ச்சி—அமைப்பு—கல்வெட்டின் வகைகள் - கல்வெட்டும் அரசர்களும் தொல் எழுத்தியல் - மெய்க்கீர்த்திகள் நடுகற்கள் - கோயிற் கலைகள் - செப்போடுகள் களப்பணிஆய்வு.

பாடநூல்கள்

- 1. சுவடியியல் பூ. சுப்பிரமணியம்,உலகத் தமிழராய்ச்சிநிறுவனம் சென்னை.
- இரா. நாகசாமி,நடனகாசிநாதன், கு. தாமோதரன், ச. ஹரிஹரன் கல்வெட்டியல் கட்டுரைகள் 3,7 முதல் 15 முடியதமிழ்நாடுஅரசு
 தொல்பொருள் ஆய்வுத் துறைசென்னை . இரண்டாம்பதிப்பு— 1980.

பார்வை நூல்கள்

 சுவடிப்பதிப்பநெறிமுறைகள் த.கோ. பரமசிவம்,தமிழ்ப் பல்கலைக்கழகம், தஞ்சாவூர்.

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UG III YEAR	சங்க இலக்கியம்	19TA612
	மூன்றாம் ஆண்டு	
SEMESTER – VI	(B.A., Tamil)	HRS/WEEK – 6
Main – II		CREDIT – 5

அலகு 1 : ஐங்குறுநூறு - முல்லை 10 பாடல்கள்

அலகு 2 : அகநானூறு - களிற்றுயானைநிரை : 7 வது பாடல் (பாலைத்திணை)

118 வது பாடல் (குறிஞ்சித்திணை)

நித்திலக்கோவை : 380 வது பாடல் (நெய்தல் திணை)

314 வது பாடல் (முல்லைத்திணை)

மணிமிடைப்பவளம் : 230 வது பாடல் (நெய்தல் திணை)

256 வது பாடல் (மருதத்திணை)

அலகு 3 : பதிற்றுப்பத்து - எட்டாம் பத்து — அரிசில்கிழார் - தகடூரெறிந்த பெருஞ்சேரல்

இரும்பொறை

அலகு 4 : குறிஞ்சிப்பாட்டு - கபிலரின் பாடல்கள் நெய்தலும் பாலையும் (261 அடிகள்)

அலகு 5 : சிறுபாணாற்றுப்படை— முழுவதும் (269 அடிகள்)

UG III YEAR	இலக்கணம் V	19TA613		
	புறப்பொருள் வெண்பாமாலை			
	மூன்றாம் ஆண்டு			
SEMESTER – VI	(B.A., Tamil)	HRS/WEEK – 6		
Main – II		CREDIT – 5		

- 1.1. வெட்சிப் படலம்,கரந்தைப் படலம்
- 1.2. வஞ்சிப் படலம்,காஞ்சிப் படலம்
- 1.3. நொச்சிப் படலம்,ஊழினைப் படலம்
- 1.4. தும்பைப் படலம்,வாகைப் படலம்
- 1.5. பாடாண் படலம்,பொதுவியல் படலம்

பாடநூல்:ஐயனாரிதனார் இயற்றியபுறப்பொருள் வெண்பாமாலை (தெளிவுரை)

முனைவர் ச. திருஞானசம்பந்தம்,கதிர் பதிப்பகம்,தெற்குவீதி,

திருவையாறு.613 204.

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UG III YEAR	தமிழ் மொழிவரலாறு — சு. சக்திவேல் மூன்றாம் ஆண்டு	19TA614
SEMESTER - V	(B.A., Tamil)	HRS/WEEK – 6
Main- III		CREDIT – 5

- **அலகு 1** : மொழி அமைப்பும் வரலாறும் வரலாற்றுச் சான்றுகள் தொல் திராவிட மொழியும் தமிழும்.
- **அலகு 2** : தமிழ்ப் பிராமிக் கல்வெட்டுக்களின் மொழி தொல்காப்பியத் தமிழ் சங்க காலத் தமிழ் சங்கம் மருவிய காலத் தமிழ்.
- **அலகு 3** : பல்லவர் காலத் தமிழ் சோழர் காலத் தமிழ் நாயக்கர் காலத் தமிழ் மராட்டியர் காலத் தமிழ்.
- அலகு 4 : பத்தொன்பது இருபதாம் நூற்றாண்டுத் தமிழ் கல்வெட்டுத் தமிழ்.
- **அலகு 5** : தமிழில் பிறமொழி கலப்பு தமிழின் கிளைமொழிகள் தமிழ்ச் சொற்றொடர் அமைப்பு வரலாறு தமிழ் வரிவடிவ வரலாறு.
- **பாடம்** : பழங்காலம் முதல் இக்காலம் வரை தமிழ் ஒலி வடிவ வரி வடிவ சொற்பொருள் மாற்றங்கள் அறிவித்தல்.

பாடநூல்: டாக்டர். சு. சக்திவேல் - தமிழ் மொழி வரலாறு மணிவாசகர் பதிப்பகம் 31, சிங்கர் தெரு, பாரிமுனை, சென்னை — 600 108.

பார்வை நூல்கள் :

- டாக்டர்.தெ.பொ.மீ தமிழ் மொழி வரலாறு சர்வோதய இலக்கியப் பண்ணை, மதுரை.
- டாக்டர் மு. வரதராசன் மொழி வரலாறு
 கழக வெளியீடு, 154 டி.டி.கே.சாலை, சென்னை 18.

 A new Non-Major Elective course "Electrical and Electronic Fundamentals" was proposed to the committee. After incorporating the modifications suggested by the board, the syllabus was approved and presented.

Non-Major Elective Syllabus

Course Overview

The Electrical and Electronic Fundamentals course focuses on the basic concepts and skills that students will require when they work with electrical equipment in a residential location. The course discusses the fundamental principles of electricity and electronics and the function of various devices such as resistors, capacitors, Transformers, diodes and transistors. Different types of circuits and their applications are also discussed. Students will use electrical test equipment and diagnostic tools. They will also learn about safety measures, codes, and rules and regulations that must be followed for preventing mishaps.

YEAR- I		se Cod	e:		Title	of the	of the Paper:			HRS/WK		CREDITS
SEM- I	3NPF	IEE		ELE	CTRICA	AL AND ELECTRONIC				3		3
				FUNDAMENTALS								
Course Out	Course Outcomes											
CO1	Stude	ents le	arn the	know	ledge o	of princi	ples bel	hind the	electric	city		
CO2	Stude	ents lea	rn to a	analyze	the fu	nctions	of serie	s and p	arallel ci	ircuits		
CO3	Stude	ents un	dersta	nds th	e flow	of alterr	native cu	urrent tl	nrough t	he com	ponents	5
CO4	Stude	ents lea	rn to i	dentify	the us	se of ele	ctronic	compor	nents in	the circ	uits	
CO5	Stude	ents ap	ply the	know	ledge c	of electr	ical and	electro	nic com	ponents	in the	circuits
	N	1appin	g of co	urse o	utcom	es with	the pro	gram sp	ecific o	utcome	S	
Course	Pro	gramm	e Outo	comes	POs	Pro	ogramm	e Speci	fic Outc	omes P	SOs	Mean
Outcomes												Score of
Cos												CO's
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	
CO1	4	4	3	4	4	3	5	5	4	3	5	3.98
CO2	3	5	3	5	4	3	5	4	4	5	3	4
CO3	4	4	4	5	3	4	4	4	5	3	3	3.91
CO4	4	5	5	4	3	4	4	5	5	4	4	4.26
CO5	4	4	3	5	5	4	5	3	5	5	4	4.27
				Me	ean Ove	erall Sco	ore					4.08
			R	esult:	The Sc	ore for	this cou	rse is H	igh			
Mapping	Mapping 1-20%					1	21-40%	1	41-60% 61-80%			L-80%
Scale	Scale 1						2		3 4			
Relation		Rela	tion		0.0-1.0)	1.1-2.0		2.1-3.0 3.1-4.0		1-4.0	
Quality		Qua	ality	V	ery Po	or	Poor		Moderate High			High

Value Scaling									
Mean Score of COs= $\frac{Total\ Values}{Total\ No.of\ POs\ \&\ PSOs}$	Mean Score of COs= $\frac{Total\ Values}{Total\ No.of\ POs\ \&\ PSOs}$								

Unit I- Basics of electricity

Voltage - Current Flow--Resistance-Ohm's Law -Resistors in Series- Resistor colour coding scheme Capacitor-Principle of a capacitor-Types and uses-Multimeter (Purpose and usage only)-Continuity test-Resistance measurement using multimeter-Test procedure for checking capacitors: Resistance measurement and Spark test.

Unit II -DC series and Parallel Circuit Fundamentals

DC Series circuit- Total resistance in a series circuit-voltage drop (IR drop)-Polarity of voltage drop-Resistors in series and voltage division technique-Short circuits & Open circuit in series connection-DC Parallel circuit-Total resistance in parallel circuit-Resistances in parallel and current division technique - Short circuit & Opens in parallel circuit

Unit III- AC concepts

Alternating emf-Alternating current-Concept of three phase AC-Line and Phase voltages- Electric power-Units of electric power - Kilo watt hour- Advantages of AC- Transformers (Principle only) -Circuit Breakers - types of circuit breakers- The MCB Circuit Breaker-Desirable Characteristics of Fuse elements, Types of Fuses -Protection against lightning -Lightning arresters.

Unit IV-Electronic devices and their applications

Diodes(Principle only)-Converting AC in to DC-Rectifiers (Principle only)-Zener diode(Principle only)-Voltage fluctuation and its effect-Voltage stabilizers(Principle only)-Testing diodes and Zener diodes using multimeter-Microphone(Principle only) -Amplification-Amplifiers(definition and use only)-Gain of amplifiers- Loud speaker(Principle only)- Solar cells(Principle only) - Integrated circuits -merits and limitations.

Unit-V- Introduction to Digital Electronics

Logic gates, Flip Flops, Encoder, Decoder, Multiplexer, De multiplexer, A/D, D/A converters, IC.

Book for study

- 1. Bernard Grob, Basic Electronics, 5th Edition, McGraw Hill Kogakusha Ltd., New Delhi.
- 2. R. S. Sedha, A Text Book of Applied Electronics, S. Chand & Company Ltd., New Delhi.
- 3. Maini A. K., Electronics & Communications simplified, Khanna Publisher, New Delhi, 1993.
- Honest, Earl Boysen, Harry Kybett, Complete Electronics Self-Teaching Guide with Projects, John Wiley & Sons, 2012.

Books for reference

- 1. G. Randy Slone, Electricity and Electronics, McGraw Hill publishers, 2000.
- 2. Dale R. Patrick, Stephen W. Fardo, Electricity and Electronics Fundamentals, Fairmont Press, 2008. Education, 2001.
- 3. David Kleppner, Robert Kolenkow, An Introduction to Mechanics, McGrawHill, 2017.
- 4. A. P. French, Newtonian Mechanics, Viva Norton Student Edition, 2011

I B.Sc. (BC)	ALLIED CHEMISTRY – I	20ACH101
SEMESTER – I	For the students admitted in the	HRS/WK – 4
ALLIED - I	the year 2020	CREDIT – 3

OBJECTIVES:

To introduce basic concepts of co-ordination chemistry & chemical bonding. To study the important concepts of bio-organic chemistry, physical chemistry & polymer reactions. To understand the synthesis of currently used drugs and their potential use.

COURSE OUTCOMES (COs):

CO1: To introduce the basic concepts of organic chemistry and chemical bonding.

CO2: Students will learn the fundamental aspects of co-ordination chemistry and bio-inorganic chemistry.

CO3: To study few basic and important concepts of physical chemistry.

CO4: Students acquire knowledge about the basics of pharmaceutical chemistry and learn about few drugs.

CO5: Students learn some applied chemistry methods such as polymer chemistry and Biofuels.

Relationship Matrix Course Outcomes, Programme Outcomes and Programme Specific Outcomes

SEMESTER	C	OUF	RSE (COD	E:	COURSE TITLE:							HOURS:	CREDITS:	
I		20	ACH	101		ALLIED CHEMISTRY – I							4	3	
	F	PROGRAMME				PROGRAMME SPECIFIC							MEAN SCORE OF		
COURSE			OM				OUTCOMES							CO'S	
OUTCOMES	D()1	DO1	DO2	DO 4	DO5	DC/\1	DSO1	DCA2	DCO/	DCA	DSA	DCO7	DC O 0		
	POI	PUZ	PUS	PU4	PUS	P301	PSU2	PSUS	P504	PSUS	P500	P307	rsus		
CO1	3	4	4	3	4	3	3	4	3	4	3	3	4	3.	46
CO2	3	3	4	4	3	2	2	4	3	4	3	4	4	3.31	
CO3	4	3	4	3	4	2	3	4	3	4	4	4	4	3.	.54
CO4	3	4	3	3	4	2	3	4	4	3	4	4	4	3.	46
CO5	3	4	3	3	3	3	2	3	4	4	3	4	4	3.	.31
	•	I	Mear	ı Ov	erall	Score			•					3.	.42

Result: The Score of this Course is 3.42 (High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%	
Scale	1	2	3	4	5	
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5	
Rating	Very Poor	Poor	Moderate	High	Very High	

This Course is having **High** association with Programme Outcome and Programme Specific Outcome.

UNIT – I: ORGANIC CHEMISTRY

[12 Hrs]

- 1.1 Chemical bonding Types of Bonding Bonding in Proteins Structure of Amino acids Zwitter ion Isoelectric Point Structure of Proteins.
- 1.2 Stereoisomerism Types, causes of optical activity of Lactic Acid & Tartaric acid Racemisation Resolution, Geometrical isomerism Maleic acid & Fumaric acid.
- 1.3 Oxidation-Reduction reactions Enzymatic Oxidation and Enzymatic Reduction Reactions.

UNIT – II: INORGANIC CHEMISTRY

[12 Hrs]

- 2.1 Co-Ordination Chemistry: Definition of terms used-classification of ligands-Werner's theory
- 2.2 Biochemistry of iron--Heme proteins-Nature of Heme-Dioxygen Binding-Iron storage and Transport- Structure and function of hemoglobin, myoglobin.
- 2.3 BioChemistry of other metals Zn-CarboxypeptidaseA, Mg-chlorophyll & Co-Vitamin-B₁₂

UNIT - III: PHYSICAL CHEMISTRY

[12 Hrs]

- 3.1 Thermochemistry-Units of Energy changes-Exothermic and Endothermic reactions-Heat of reaction- Different types of the heat of reaction
- 3.2 IonicEquilibria-pH scale-Buffer solution-Types of Buffer Solution-Calculation of pH values of Buffer mixtures-Henderson equation
- 3.3 Acid-Basecatalysis-Bronsted relation-Enzyme catalysis-Michales-Menton equation.

UNIT – IV: PHARMACEUTICAL CHEMISTRY

12 Hrs

- 4.1 Development of new drugs-Drug and Disease-Structure and activity-Additives and their role-Human Gene therapy- Animal and Synthetic Biotechnology.
- 4.2 Mode of action and uses of sulpha drugs Prontosil, sulphadiazine, and sulphafurazole. Definition and one example of analgesics, antipyretics, tranquillizers, sedatives, local and general anaesthetics.

UNIT – V: APPLIED CHEMISTRY

[12 Hrs]

- 5.1 Macromolecules-Classification of Polymers-Chemistry of polymerization-Addition Polymerisation-Condensation Polymerisation-Coordination Polymerisation-Dendrimers-Biopolymers.
- 5.2 Bio fuels-First generation of Bio fuels-Second generation of Bio fuels-Sustainable Bio Fuels-Calorific value of food and fat.

TEXT BOOKS:

- 1. J. D. Lee, Concise Inorganic Chemistry, 5th edition, Blackwell Science, London 1996.
- 2. P. S. Kalsi. Organic Reaction stereochemistry & Mechanism. 4thedition. New Age International publishers. 2006.
- 3. Puri and Sharma. Principles of physical chemistry. 40th edition.2003
- 4. I. L. Finar, Organic chemistry, 6th edition, ELBS, 1990
- 5. G.R.Chatwal, Pharmaceutical Chemistry Organic (vol II), Himalaya Publishing House, Second Revised Edition 1997
- 6. Polymer Science, V. R. Gowariker, N. V. Viswanathan, and J. Sreedhar, Wiley Eastern
- 7. J.Rajaram and J.C.Kuriacose, Thermodynamics For Students of Chemistry,Lal Nagin Chand,New Delhi, 3rd edition, 1986.

REFERENCE BOOKS:

- 1. F. A. Cotton, G. Wilkinson, C. Murillo, and M. Bochman, Advanced Inorganic Chemistry, 6th edition., John Wiley, New York 1999.
- 2. Textbook of Polymer Science, F.W. Billmeyer Jr, Wiley
- J.E. Huheey, Inorganic Chemistry, 5thEdn., Harper International.1993.
 Raj.K. Bansal, Organic Reaction Mechanism, 3rd edition, Tata McGraw Hill, 1998

II B.Sc. (PH)	ALLIED CHEMISTRY FOR PHYSICS	20ACH301
SEMESTER – III	For the students admitted in the year 2020	HRS/WK – 5
ALLIED CHEMISTRY	For the students admitted in the year 2020	CREDIT – 3

OBJECTIVES:

To introduce basic concepts of nuclear chemistry. To study the important concepts of spectroscopy. To understand the superconductors & electrode reactions.

COURSE OUTCOMES (COs):

CO1: Students learn the basic concepts and applications in nuclear chemistry.

CO2: Students understand some important concepts in spectroscopy and the properties of dilute solutions.

CO3: Students learn the concepts in solid state chemistry.

CO4: Students learn the concepts of acid base titrations and basic principles and uses in conductometry, Amperometry and Voltametry.

CO5: Students understand the superconductors & electrode reactions.

Relationship Matrix Course Outcomes, Programme Outcomes and Programme Specific Outcomes

SEMESTER	C	COURSE CODE:						CO	URSE	E TITI	LE:			HOURS:	CREDITS:	
III		20ACH301					ALLIED CHEMISTRY FOR PHYSICS								3	
	I	PRO	GRA	MM	E		PROGRAMME SPECIFIC							MEAN SCORE OF		
COURSE		UTC				OUTCOMES(PSO)								CO'S		
OUTCOMES	P ∩1	PO2	DU3	PO4	DO5	DSA1	PSO1PSO2PSO3PSO4PSO5PSO6PSO7PSO8									
	1 01	1 02	103	104	103	1 301	1 302	1 505	1 304	1 303	1300	1307	1300			
CO1	3	4	4	4	3	3	4	4	5	4	4	4	4	3.	.84	
CO2	2	5	3	4	3	3	4	4	4	3	4	4	5	3.	.69	
CO3	3	3	3	3	2	3	4	4	3	3	3	4	4	3.	.23	
CO4	2	4	3	4	3	3	4	4	4	4	4	4	4	3.	.62	
CO5	2	4	3	3	3	3	4	3	3	3	4	4	3	3.	.38	
	Mean Overall Score													3.	.55	

Result: The Score of this Course is 3.55 (High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **High** association with Programme Outcome and Programme Specific Outcome.

UNIT – I: NUCLEAR CHEMISTRY

[12 Hrs]

Atom - classification of nuclides, nuclear stability, the magic number, Radioactive elements, Decay kinetics, Photonuclear reaction, nuclear fission and fusion, Nuclear Reactor – Detectors - Application of Radioactivity.

UNIT – II: SPECTROSCOPY & PROPERTIES OF DILUTE SOLUTIONS [12 Hrs]

Spectroscopy – electromagnetic radiation, characteristics of electromagnetic radiation, electromagnetic spectrum. Types of spectroscopy - absorption & emission spectra. IR: Types of vibration. UV: Beer-Lambert law, Electronic energy levels - electronic transition – Chromophores, Auxochrome - Bathochromic shift, Hypsochromic shift, Hyper and hypochromic shifts. Colligative properties (without derivation): Lowering of Vapour pressure, Raoult's law, Osmosis, osmotic pressure, elevation of boiling point, freezing point depression.

UNIT – III: INORGANIC & SOLID STATE CHEMISTRY [12 Hrs]

Bragg's equation – Principles of X-ray diffraction – Comparison of X-ray, electron and neutron diffraction. Crystal lattices – laws of crystallography – elements of symmetry – crystal systems – unit cell, space lattices – Bravis lattice – Miller Indices - ionic crystal structures of simple inorganic compounds.

UNIT – IV: ANALYTICAL CHEMISTRY

[12 Hrs]

Acid-base titrations, complexation, precipitation and redox titrations, voltammetry, amperometry and conductometry, basic principle and uses.

UNIT - V: MATERIAL SCIENCE AND ELECTRODICS

[12 Hrs]

Material Science: Superconductivity -characters of Superconductors- types of Superconductors- application of Superconductors.

Electrodics: Types of electrodes and cells – Nernst equation - EMF measurements and its application - principles of chemical and electrochemical corrosion - corrosion control.

TEXT BOOKS:

- 1. H.J. Arnikar, Essentials of Nuclear chemistry, New Age International (P) Ltd. 4th edition, 2003.
- 2. S. Glasstone, Principles of electrochemistry, Oxford University Press, 3rd edition, 2004.
- 3. P.S. Kalsi, Spectroscopy of Organic Compounds, New Age International (P) Ltd. 5th edition, 2004.
- 4. A.G. West, Solid Chemistry, New Age International (P) Ltd, 2003.

- 1. P.W. Atkins, The elements of Physical chemistry, Oxford University Press, 3rd edition, 2004.
- 1. 2.D.A. Skoog, D.M. West, F.J. Holler & S.R. Crouch, Fundamentals of Analytical Chemistry, Thomson. Brooks / Cole, 2004.
- 2. D.F.Shriver and P.W.Atkins, Inorganic chemistry, Oxford University Press, 3rd edition, 2002.

II M.Sc (BC)	
SEMESTER-III	
CORE-7	

CLINICAL BIOCHEMISTRY

Course
Code19PBC31
HRS/WK-5
CREDIT-4

Objectives

To gain in-depth insights about the basic mechanisms of various diseases and their functional tests.

COURSE OUTCOMES

CO1: To gain knowledge about the blood sugar homeostasis and its complications.

CO2: To understand and interpret the functional tests for liver and gastric disorder.

CO3: To understand and analyze the various renal function tests.

CO4: To gain in depth insights about the metabolic disorders related to amino acid and carbohydrate metabolism.

CO5: To acquire the skill and knowledge about the endocrine functional test.

SEMESTER III	СО	URSE (CODE:	: 19PBC	C31	CO	OURSE	RY	HOURS:5 CREDITS:4					
COURSE	(1 05)					PR	PROGRAMME SPECIFIC OUTCOMES (PSOS)							MEAN
OUTCOME S	PO1	PO2	PO 3	PO 4	PO 5	PSO	PSO 2	PSO 3	PSO 4	PS05	PSO 6	PSO 7	PSO 8	SCORE OF CO'S
			3	7	3	1	2	3	7		U	,	0	
CO1	3	3	4	2	4	5	3	5	5	4	3	2	2	3.4
CO2	3	3	5	4	2	4	5	2	4	3	5	4	4	3.6
CO3	5	4	4	3	4	4	4	3	4	3	5	4	3	3.8
CO4	5	2	4	5	3	3	4	5	3	4	4	3	2	3.6
CO5	3	5	4	3	4	5	3	4	5	4	3	2	4	3.7
			I	Mean C	verall	Score								3.6

Result: The Score of this Course is 3.6 (High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **High** association with Programme Outcome and Programme Specific Outcome

UNIT- I BLOOD SUGAR HOMEOSTASIS

[15 hrs]

Role of tissues and hormones in the maintenance of blood sugar. Diabetes mellitus-classification, stages of diabetes-metabolic abnormalities, acute complications – diabetic ketoacidosis –hyper osmolar, non-ketotic coma. Long-term complications – diabetic retinopathy, Neuropathy and Nephropathy, Cataract, GTT, HbA1_C and its significance.

UNIT-II LIVER & GASTRIC FUNCTION

[15 hrs]

Heme metabolism -Jaundice- classification, biochemical findings -Liver function tests based on bile pigments, SGOT, SGPT, plasma proteins- A: G ratio, Prothrombintime.**Detoxification function**:

Hippuricacid excretion, BSP dye test and metabolic functions -Galactose tolerance test, Gall stones. **Gastric Function Test**: Physical examination of gastric contents-basal and maximal secretion. Stimulation tests – histamine, alcohol and Pentagastrin, FTM analysis-Azure A test, Analysis of gastric contents, Disorders of gastric function- Peptic ulcer, Gastritis and hypoacidity and hyper acidity.

UNIT- III RENAL FUNCTION

[10hrs]

Renal concentration test-PSP dye test, clearance tests - Inulin clearance, Urea clearance, Creatinine clearance, NPN, Biochemical findings in Glomerulonephritis, renal failure and nephrotic syndrome. Renal stones –types, factors influencing renal calculi formation and treatment.

UNIT- IV ENDOCRINE DYSFUNCTION

[15 hrs]

Thyroid function test- Radioactive Iodine uptake, serum PBI. Dynamic function test - T_3 suppression test, TSH & TRH stimulation Test, dexamethasone suppression test, Metyrapone test. Leptin, Prostate specific antigen and Obesity.

UNIT- V METABOLIC DISORDERS

[20hrs]

Disorders of amino acid & carbohydrate Metabolism - Albinism, Tyrosinosis, Maple syrup urine disease and Glycogen storage diseases. **Disorders of Lipid Metabolism**— Hypo and Hyper lipoproteinaemia. Lipid storage diseases — Gaucher's, TaySach's and Niemann pick disease. Fatty liver & Atherosclerosis- Risk and anti-risk factors. **Clinical Enzymology**: Isoenzymes, Enzyme patterns in disease—Liver, pancreas and myocardial infarction.

TEXT BOOKS:

- 1. M.N Chatterjea and RanaShinde," Text book of Medical biochemistry",8th edition, 2012, Jaypee Publishers, New Delhi.
- 2. Devlin, T.M. Textbook of Biochemistry with Clinical Correlations, 7th edition 2002, John Wiley and sons, INC. New York.
- 3. Mayne, "Clinical chemistry in diagnosis and treatment",6th edition, 1994, ELBS Publications.

- 1. Victor W. Rodwell, Harpers Illustrated Biochemistry 30th Edition, 2015 Lange publishers.
- 2. Harold Varley et al. Practical clinical biochemistry, Volume I & II,1980,CBS publishers.
- 3.. Harrison's Principles of Internal Medicine Vol. I and II. 19th edition, 2015, McGraw Hill.
- 4. William J Marshall et al. "Clinical Biochemistry: Metabolic and Clinical Aspects". 3rd edition, 2014, Elsevier Health Sciences.

II M.Sc (BC)	IMMUNOLOGY	Course Code: 19PBC32
SEMESTER-III		HRS/WK-5
CORE-8		CREDIT-4

Objectives

To understand the cellular components, types and functions of the immune system.

Course outcomes

- CO1-To gain acquaintance on the significance of different cells, types and organs involved in the immune system.
- CO2-Students are able to figure out the structure and functions of the different types of antibody.
- CO3-Students are proficient to gain knowledge about the importance of different immunological techniques.
- CO4-Students will able to acquire knowledge about the transplantation immunology and antigen presentation.
- CO5-Students are able to comprehend the complications of hypersensitivity and autoimmune diseases.

SEMESTER III	Course Code:19PBC32					COU	RSE TI		HOURS:5 CREDITS:4					
COURSE OUTCOMES	PROGRAMME OUTCOMES (POS)						PROGRAMME SPECIFIC OUTCOMES (PSOS)							
	PO1 PO2 PO3 PO4 PO5						PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	
CO1	4	5	4	3	3	4	3	4	4	4	4	4	4	3.8
CO2	3	4	3	4	4	4	3	4	4	4	3	4	4	3.6
CO3	4	4	3	4	4	3	4	4	4	3	4	3	4	3.7
CO4	4	4	4	3	4	3	3	3	5	5	5	5	3	4.3
CO5	4 4 4 4 3						3	3	3	4	3	4	3	3.7
	•	•	•	•	Me	ean overa	an overall score							3.82

Result: The Score of this Course is 3.8 (High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **High** association with Programme Outcome and Programme Specific Outcome

UNIT I - CELLS AND ORGANS OF IMMUNE SYSTEM [15 hrs]

Types of Immunity-innate, acquired, Humoral& Cell mediated immunity,lymphocyte development, Antigen processing & presentation by B-cell and T-cell. Cells of the immune system-structure &function of mononuclear phagocytes, Phagocytosis process, Dendritic cells, Granulocytes, Kupffers cell, Osteoclasts, Microglial cell, Null cell, Mast cell & APC. Organs of the immune system-structure and function of primary & secondary lymphoid organs (bone marrow, thymus, lymph node & spleen).

UNIT II - IMMUNOGLOBULINS & ANTIGEN

[15 hrs]

Antibodies- Basic structure of immunoglobulins& classes. Antigenic determinants on immunoglobulins -isotype, allotype,&idiotype. Immunoglobulin-organization, expression & rearrangement of heavy & light chains sequencing, Diversity, Clonal selection theory. Monoclonal Antibodies – Formation, selection, production & clinical uses. Antigen- properties, immunogenicity & antigenicity. Factors that influence immogenicity- adjuvants, epitopes, &haptens.

UNIT III - IMMUNE SYSTEM IN HEALTH & DISEASE [15 hrs]

MHC- Types, structure & function. HLA Complex.Cytotoxicity- Immunological memory, Immunotolerance&Immuno suppression. Transplantation immunology- immunologic basis of graft rejection, hyper, acute & chronic rejection Eg. kidney and skin.

UNIT IV - HYPERSENSITIVITY & AUTOIMMUNE REACTION [15 hrs]

Type I-components, mechanism &consequences of type I. Type II Transfusion reaction and Hemolytic disease of the newborn & drug induced hemolytic anemia. Type III &Type IV. Auto immunity- organ & specific. Systemic autoimmune diseases (eg.Grave's disease, Hashimoto's thyroiditis,SLE& Rheumatoid arthritis). Treatment of autoimmune diseases.

UNIT V - IMMUNO TECHNIQUES

[15 hrs]

Cytokines -properties, structure & function. Complement components and its pathway. Principle & application of precipitation reaction in fluids & gels (radial, double immune electrophoresis). Agglutination reaction- Hemagglutination, bacterial agglutination, passive & agglutination inhibition reaction. Widal test, Radioimmuno Assay, ELISA, FISH, Immuno fluorescence, Immunoblotting, Complement fixation test and Immuno histochemistry.

TEXT BOOKS:

- Ian Tizard,2004. Immunology-An introduction, 7thedition, Saunders College Publishing Harcourt Brace College Publishers, USA
- 2. Abbas, Lightman and Pober, 1994. Cellular and Molecular Immunology, 2nd edition, W.B. Saunders.
- 3.Kuby Richard A.Goldsby, Thomas J. Kindt, Barbara A.Osborne, 2007. Immunology, sixthedition, Freeman publications, USA.

- 1. MarkPeakman, Diegovergani, 2009. Basic & Clinical Immunology" 2ndedition, Elsevier, Saunders.
- 2.David Male, Brian Champion, Anne Cooke & Michael Owen, 1988. Advanced Immunology, 2nd edition, Mosby; New Ed edition, New York.
- 3.P.M.Lydyard, A.Whelan and M.E.Finger, 2003. "Immunology" Taylor & Francis, Inc.
- 4. IvonRoitt, 2006. "Essential Immunology", 7th edition, Blackwell publishers.

II M.Sc (BC)	BIOTECHNOLOGY	Course Code19PBC33
SEMESTER-III		HRS/WK-5
CORE-9		CREDIT-4

OBJECTIVE

To understand the basic concepts and applications of biotechnology in diverse fields such as agriculture, medicine and the environment

COURSE OUTCOMES

CO1: To gain knowledge about the importance of restriction enzymes, various types of vectors and gene expression for prokaryotic and eukaryotic genomes.

CO2: To understand about the cell and tissue culture media preparation, different kinds of cell culture, importance of embryogenesis, organogenesis, various stages of micro propagation, somaclonal variation, germplasm storage and cryopreservation.

CO3: To acquire knowledge about different types of vaccines, in vitro fertilization, process of transgenic animals and its applications.

CO4: To gain knowledge about basic principles of microbial growth, various types of culture medium and fermenters and also biosynthesis of Vitamin B_{12} , penicillin and its applications.

CO5: To learn about the solid waste management, bioremediation, biogas and biofertilizers.

SEMESTER III	Cou	rse C	ode:1	9PBC	233		COURSE TITLE: BIOTECHNOLOGY							
COURSE OUTCOMES	PF	ROGRAI	MME O (POS)		1ES		PROGRAMME SPECIFIC OUTCOMES (PSOS)							
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	OF CO'S
CO1	4	5	4	4	3	4	4	3	3	4	4	4	4	3.8
CO2	3	3	3	3	4	3	4	4	3	3	4	3	5	3.5
CO3	3	4	4	2	3	4	4	4	4	4	3	4	4	3.6
CO4	4	4	4	4	2	3	3	3	4	4	3	4	4	3.5
CO5	3	3	3	3	3	3	3	4	3	4	4	3	4	3.3
					Me	ean overall score							3.5	

Result: The Score of this Course is 3.5 (High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **High** association with Programme Outcome and Programme Specific Outcome

UNIT I - TOOLS IN BIOTECHNOLOGY

[15 hrs]

Tools in Biotechnology, RE, ligation, low capacity vectors and high capacity vectors. Manipulation of DNA –Restriction and modification enzymes, Design of linkers and adaptors. Vectors – low capacity

and high capacity. Characteristics of cloning and expression vectors based on plasmid (pBR322) and bacteriophage (lambda). Vector for yeast (pPIC), insect (Baculo virus) and plants (Ti) systems. Prokaryotic and eukaryotic expression host systems.

UNIT II - PLANT BIOTECHNOLOGY

[15hrs]

Introduction to cell and tissue culture-Media, composition and preparation. Culture types -callus culture, cell suspension culture and protoplast culture. Somatic embryogenesis, organogenesis, Embryo culture and embryo rescue. Micropropagation.Protoplast-Isolation, culture and fusion. Selection of hybrid cells,cybrids and somaclonal variation. Germplasm storage and cryopreservation. Gene manipulation in pest resistance and disease control.

UNIT III - ANIMAL BIOTECHNOLOGY

[15hrs]

In vitro fertilization and embryo transfer. Vaccines-types, subunit recombinant vaccine – hepatitis B and vector recombinant vaccine-vaccinia. Development of transgenic animals retroviral, microinjection and embryonic stem cell methods. Applications of transgenic animals. Gene therapy-ex vivo and in vivo.

UNIT IV - BIOPROCESS TECHNOLOGY

[10 hrs] Bioprocess-

Basic principles of microbial growth. Types, design and operation of fermenters. Fermentation culture medium - carbon, nitrogen and vitamin sources. Downstream processing-separation, concentration, purification and modification. Production of vitamin B_{12} & Penicillin.

UNIT V - ENVIRONMENTAL BIOTECHNOLOGY [20 hrs]

Industrial waste management – aerobic and anaerobic processes. Solid waste management, Composting and Municipal sewage treatment .Biogas, Biofertilizer, Bioremediation of hydrocarbons and pesticides.

TEXT BOOKS:

- 1.Sathyanarayana U. Biotechnology. 3rd edition. 2006. Books and Allied Publishers, India.
- 2. Gupta P.K.Biotechnology and Genomics. 2ndedition. 1998. Rastogi Publications.
- 3. Dubey.R.C. A Textbook of Biotechnology. 6th edition. 1993. S.Chand& Company Ltds.

- 1. John.E.Smith. Biotechnology. 4th edition. 1996. Cambridge universitypress.
- 2.Ignasimuthu.S.Plant Biotechnology. 1st edition. 2005.Oxford, IBH Publishing company Pvt Limited.
- 3. Slater A, Scott N.W. and Fowler M.R.Plant Biotechnology. 2ndedition .2008.Oxford University press.
- 4.Glick R and Pasternak J.J.Molecular Biotechnology. 3rdedition.2002.ASMpress,Washington,USA.

II M.Sc (BC)

SEMESTER – III

Elective Paper III

DEVELOPMENTAL AND INHERITANCE BIOLOGY

Course Code 19EPB34A HRS/WK - 5 CREDIT - 4

Objective

To understand the steps involved in morphogenesis and organogenesis in plants and animals.

Course Outcomes:

CO1: To gain knowledge about gene mapping and genetic basis of development in human and animal.

CO2: To understand the fundamental aspects and in depth knowledge about gametogenesis, fertilization and early development in plants and animals.

CO3: To get insight knowledge about the morphogenesis and organogenesis in animal.

CO4: Able to gain thorough knowledge about the morphogenesis and organogenesis in plants especially Arabidopsis and Antirrhinum.

CO5: To get-in depth understanding knowledge about ageing, stem cells and apoptosis..

SEMESTER III	CC	OURSE (CODE:	19PBC3	4A		COURSE TITLE: DEVELOPMENTAL AND INHERITANCE BIOLOGY							HOURS:5 CREDITS:4
COURSE	PR	OGRAM	IME OU (POS)	JTCOM	ES		PROGRAMME SPECIFIC OUTCOMES (PSOS)							MEAN SCORE OF CO'S
OUTCOMES	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PS05	PSO6	PSO7	PSO8	OF CO'S
CO1	3	2	3	4	5	2	5	5	4	2	3	3	4	3.4
CO2	3	4	5	3	2	3	4	3	4	3	4	3	5	3.6
CO3	3	4	4	3	2	3	4	5	4	3	4	3	4	3.5
CO4	4	5	3	4	2	4 4 3 3 2 4 4 3						3.4		
CO5	4	4	4	5	2	3	3 4 5 4 4 3 2 5						3.7	
	Mean Overall Score										3.5			

Result: The Score of this Course is 3.5 (High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having High association with Programme Outcome and Programme Specific Outcome

UNIT I GAMETOGENESIS, FERTILIZATION AND EARLY DEVELOPMENT [15 hrs]

Production of gametes, cell surface molecules in sperm-egg recognition in animals; embryo sac development and double fertilization in plants; mammalian cleavage and gastrulation.

NIT II - GENE MAPPING AND HUMAN GENETICS

[15 hrs]

Linkage maps, mapping with molecular markers, mapping by using somatic cell hybrids, development of mapping population in plants. Pedigree analysis, LOD score for linkage testing, karyotypes. Polygenic inheritance, heritability and its measurements, QTL mapping.

UNIT III - MORPHOGENESIS AND ORGANOGENESIS IN ANIMALS [15 hrs]

Eye lens induction, limb development and regeneration in vertebrates; differentiation of neurons, post embryonic development- larval formation, metamorphosis; environmental regulation of normal development; sex determination.

UNIT IV - MORPHOGENESIS AND ORGANOGENESIS IN PLANTS [15 hrs]

Organization of shoot and root apical meristem; shoot and root development; leaf development and phyllotaxy; transition to flowering, floral meristems and floral development in Arabidopsis and Antirrhinum.

UNIT V -- AGEING AND STEM CELLS

[15 hrs]

Ageing- theories of ageing, senescence, programmed cell death (Apoptosis). Stem cells- properties, markers commonly used in stem cells, embryonic stem cells and applications.

TEXT BOOKS:

- 1. Twyman, Advanced Molecular biology,1st edition, 1998. Viva books private limited.
- 2. William H. Elliot & Daphne C. Elliott, Biochemistry and Molecular biology, 4st edition, 2009. Oxford University Press.
- 3. Gilbert S.F. Developmental biology 11th edition, 2010. Sinauer Publisher.

- 1. Primrose S.B. &Twyman R.M., Principle of gene manipulation and genomics. 7th edition, 2006. Oxford Publisher.
- 2. Gurbarchan&Miglani. S. Basic genetics, 1st edition, 2000. Narosa publisher.
- 3. David Freifelder, Molecular biology, 2nd edition, 1987. Jones and Bartlett publisher.
- 4. Winter. P. C., Instant notes in genetics, 4th edition 1999. Bio scientific publishers limited.

II M.Sc (BC)	BIOINFORMATICS AND COMPUTATIONAL	Course Code 19EPB34B
SEMESTER- III	BIOLOGY	HRS/WK-5
ELECTIVE III		CREDIT-4

Objectives

- To equip the students with the requisite background in areas of modern biology and computer science
- To launch the students into core areas of Bioinformatics like sequence alignment ,phylogenetic trees, genomics, proteomics
- To make the students to explore the applied areas of Bioinformatics

COURSE OUTCOMES

CO1: The student should be able to understand basics of bioinformatics and the important bioinformatics databases

CO2: Students exhibit the knowledge about the phylogenetic evolution and gene prediction.

CO3: Understanding the basics about proteomics & computational techniques.

CO4: Understanding of the principles of genomics and its applications.

CO5: To understand the knowledge about molecular docking and cheminformatics.

SEMESTER III	СО						COURSE TITLE: BIOINFORMATICS ANDCOMPUTATIONAL BIOLOGY						HOURS:5 CREDITS:	
COURSE			(POS	<i>′</i>			PROGRAMME SPECIFIC OUTCOMES (PSOS)						MEAN SCORE OF	
OUTCOMES	P O 1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PS0 5	PSO6	PSO7	PSO8	SCORE OF CO'S
CO1	4	4	3	4	3	3	4	3	4	4	3	4	3	3.53
CO2	4	4	4	3	4	4	4	2	4	5	3	3	4	3.69
CO3	3	5	3	3	5	4	4	3	4	3	3	4	3	3.61
CO4	5	4	2	3	4	3 3 4 4 3 4 3						4	3.53	
CO5	4	3	4	4	3	3 4 3 4 3 3 4						3.46		
Mean Overall Score									3.56					

Result: The Score of this Course is 3.56 (High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **High** association with Programme Outcome and Programme Specific Outcome

Unit-I BASICS OF BIOINFORMATICS

[15 Hrs]

Introduction to Bioinformatics; Sequence Databases: Database concepts; Introduction to Data types and source; Nucleic acid sequence databases: GenBank, EMBL, DDBJ; Protein sequence databases: Uniprot-KB: SWISS-PROT, TrEMBL, UniParc; Structure Databases: PDB, NDB, PubChem, ChemBank.

Unit -II PHYLOGENY AND GENE PREDICTION

[15 Hrs]

Phylogeny: Basic concepts of phylogeny; molecular evolution; Brief introduction to Phylogenetics and phylogenetic tree construction. Gene prediction in prokaryotes and eukaryotes, SNPs, Methods for gene prediction – GenScan, GRAIL, FGENESH/FGENES, Metabolic pathways-KEGG.

Unit-III PROTEOMICS [15 Hrs]

Introduction and scope of proteomics; techniques commonly used for Proteome Analysis. Transcriptomes and analysis: SAGE, Microarray Technology, Analytical Proteomoics Tools-(1D &2D Gel Electrophoresis. Mass Spectrometry and Analysis-ESI, MALDI, LC/MS-MS. Interactomes and Proteomic Interactions-Y2H Approaches, Co-IP. Proteins structure determinations and structural proteomics tools – experimental and computational.

Unit -IV GENOMICS [15 Hrs]

Genome Anatomies—overview the anatomy of eukaryotic & prokaryotic genome, repetitive DNA content of genomes. How genes work, gene-protein relations, genetic fine structure.

Structural genomics: Classical ways of genome analysis, Physical mapping of genomes- Genome sequencing, sequence assembly and annotation; metagenomics and methods of metagenomics. Applications of genomics and proteomics in agriculture, human health and industry.

Unit – V MOLECULAR DOCKING AND CHEMINFORMATICS [15 Hrs]

Docking Methods: Introduction, Docking and scoring. Electrostatic interactions, Prediction of Protein-protein interactions, Prediction of Protein-nucleic acid interactions. Constraints and restraints in Molecular Docking. Application in the drug design. **Cheminformatics**: Introduction; Cheminformatics tools; Chemical structure representation (SMILES and SMARTS); Chemical Databases: CSD, ACD, WDI, Chemical Structure file formats; Structural Isomers; Structure visualization.

Text Books:

- 1. Lesk, A.M. "Introduction to Bioinformatics"; UK, Fourth edition, 2014, Oxford University Press,
- 2. Zhumur Ghosh, Bioinformatics: Principles and Applications, edition, 2008, OUP India.
- 3. Rastogi, Bioinformatics: Methods and Applications: Genomics, Proteomics and Drug Discovery, 4th Revised edition edition, 2013, Prentice Hall India Learning Private Limited.

Reference Books:

- 1. Jean-Michel, CandNotredame, C. "Bioinformatics for Dummies"; Second Edition, 2006, John Wiley& Sons,
- 2. Baxevanis, A.D. and Francis Ouellellette, B.F. "Bioinformatics –a practical guide to the analysis of Genes and Proteins"; 3rd Edition, 2011, John Wiley & Sons, UK.
- 3. Hossein G. Gilani, Katia G. Samper, Reza KhodaparastHaghi, "Chemoinformatics: Advanced Control and Computational Techniques", First edition, 2012, Apple Academic Press
- 4. Mount David W, Bioinformatics: Sequence And Genome Analysis, first edition, 2004 Cshl Press.

II M.Sc (BC)	NANOTECHNOLOGY	Course Code
SEMESTER-III		19SPBC31A
SSC-I		CREDIT-2

Objective

To know the synthesis of various nanomaterials and its applications.

COURSE OUTCOMES

CO1: To understand the different types of nanomaterial.

CO2: To know the various aspects of synthesis of nanomaterials.

CO3: To know about the different types of biomaterials and its compatibility properties.

CO4: To get insights about protein and DNA based nanostructures.

CO5: To understand various applications of nanotechnology in food and agriculture field.

SEMESTER - III	COU	RSE C	ODE:	19SPB	BC31A		COURSE TITLE: NANOTECHNOLOGY							CREDITS
PROGRAMME OUTCOMES (POS)						PROC	GRAMN	ME SPE	CIFIC	OUTC	OMES	(1	PSOS)	:2
COURSE OUTCOMES	PO1	PO 2	PO 3	PO 4	PO5	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	MEAN SCORE OF CO'S
CO1	3	4	2	4	3	5	3	5	5	4	3	2	2	3.4
CO2	3	3	5	4	3	4	5	3	4	3	5	4	4	3.8
CO3	4	4	4	3	4	4	4	3	4	3	4	4	3	3.6
CO4	5	2	4	5	3	3	4	5	3	4	4	3	2	3.6
CO5	3	4	4	3	4	3	3	4	5	4	3	2	4	3.5
											Mean	Overall	Score	3.7

Result: The Score of this Course is 3.7 (High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having High association with Programme Outcome and Programme Specific Outcome

UNIT I - Classification and Nomenclature of Nanomaterials

Nanotechnology, Introduction to Nanostructures: Carbon Nanotubes (CNT), Graphenes, Fullerenes, Nano Peapods, Quantum Dots and Semiconductor Nanoparticles, Metal-based Nanostructures (Iron Oxide Nanoparticles), Nanowires, Polymer-based Nanostructures including dendrimers, Introduction to metal based nanostructures. Protein-based Nanostructures, Nanomotors: Bacterial (E.coli) and

Mammalian (Myosin family) Nanobiosensors. Science of Self assembly - From Natural to Artificial Structures. Nanoparticles in Biological Labeling and Cellular Imaging.

UNIT II - Synthesis of Nanomaterials

Nucleation and growth of nanosystems; self-assembly, mechanical milling, laser ablation, sputtering and microwave plasma, chemical reduction and oxidation, hydrothermal, micelles, sol-gel processes, photolysis and radiolysis.

Unit III -Nanobiomaterials and Biocompatibility

Surface and Bulk Properties of Bio materials – Nanobiomaterials, NanoCeramics, Nanopolymers, Nano Silica and Hydroxy apatite – Carbon Based nanomaterials.

Unit IV - Protein and DNA Based Nanostructures

Nanocircuitry – S-layer proteins: structure, chemistry and assembly – lipid chips – S - Layers as Templates – engineered nanopores. DNA–Protein Nanostructures DNA - based Metallic Nanowires and Networks, DNA–Gold-Nanoparticle Conjugates.

Unit V - Applications in food & agriculture

Enzyme Biosensors and Diagnostics - DNA-Based Biosensors and Diagnostics Radiofrequency. Food and New Ways of Food Production - Efficient Fractionation of Crops Efficient Product Structuring - Optimizing Nutritional Values - Applications of Nanotechnology in Foods: Sensing, Packaging, Encapsulation, Engineering Food ingredients to improve iioavailability.

TEXT BOOKS

- 1. Molecular Cell Biology, Harvey Lodish, Published by W.H. Freeman & Company
- Biomaterials: A NanoApproach,S Ramakrishna, M Ramalingam, T.S. Sampath Kumar, Winston
 Soboyejo,Published by CRC Press
- 3. Bionanotechnology: Lessons from Nature, D S. Goodsell, by John Wiley & Sons, Inc.
- 4. Nanobiotechnology: Concepts, Applications and Perspectives, (edited by C. M. Niemeyer and C. A. Mirkin), Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim,
- 5. Nanobiotechnology: Concepts, Applications and Perspectives, Edited by Christof M. Niemeyer and Chad A. Mirkin, Wiley-VCH, 2004, ISBN 3527306587, 9783527306589

- 1. The structure and properties of materials by R.M.Rose, L.A.Shepard and J. Wulff, Wiley Eastern Ltd., 1966
- 2. Semiconductor Devices Physics and Technology by S.M. Sze, Wiley, 1985.
- Semiconductor Material and Device Characterization by D. K. Schroder, John Wiley &Sons, New York, 1998.
- 4. Encyclopedia of Materials Characterization by C. Richard Brundle Charles A. Evans, Jr.ShaunWilson ,Butterworth-Heinemann, 1992.

II M.Sc (BC) SEMESTER-III	NEUTRACEUTICALS AND FUNCTIONAL FOODS	Course Code 19SPBC31B
SSC-II		CREDIT-2

OBJECTIVES

- To impart the concept of nutraceuticals and functional ingredients in foods and to determine their role in health and disease prevention.
- To learn about the various phytochemicals, their sources and functions.
- To understand the basics of phyto-chemicals and development of functional foods.
- To study the usefulness and effects of nutrigenomics foods.

COURSE OUTCOMES

CO1: To Understand the basics, importance and applications of nutraceuticals

CO2: To acquire the knowledge about Nutraceuticals of plant and animal origin

CO3: To understand the Nutraceutical remedies for common disorders

CO4: To understand the basics for functional foods

CO5: To gain knowledge about foodomics.

SEMESTER III	cou	JRSE	CODE:	19SPF	BC31B		COURSE TITLE: NUTRACEUTICAL AND FUNCTIONAL FOODS							CREDITS:2	2
	PRO	GRA	MME												
COURSE	OUT	COM	IES	(PO	S)	PROG	RAMM	E SPEC	IFIC OU	JTCO	MES	(PSOS	S)	MEAN	
OUTCOMES	PO	P	PO3	PO	PO5	PSO	PSO	PSO	PSO	PS0	PSO6	PSO7	PSO8	SCORE O	F
	1	0		4		1	2	3	4	5				CO'S	
		2													
CO1	3	3	4	4	3	4	3	4	3	4	4	3	3	3.46	
CO2	5	3	4	5	3	3	3	3	4	5	3	3	4	3.69	
CO3	4	4	3	3	4	4	4	3	2	3	3	4	3	3. 38	
CO4	3	5	2	4	3	3	3 3 4 3 2 4 2 4							3.23	
CO5	3	4	3	3	2	3	3 4 3 4 3 4							3.30	
Mean	Overa	all Sco	ore											3.41	

Result: The Score of this Course is 3.4 (High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having High association with Programme Outcome and Programme Specific Outcome

UNIT I - NUTRACEUTICALS OF PLANT & ANIMAL ORIGIN [7 hrs]

Nutraceuticals - Sources of Nutraceuticals. phytonutraceuticals - Alkaloids, phenols, Terpenoids. Animal metabolites: chitin, chitosan, glucosamine- uses and applications.

UNIT II -CLASSIFICATION OF NUTRACEUTICALS

[7 hrs]

Nutraceuticals -. Dietary Fiber, Probiotics , Prebiotics, Polyunsaturated fatty acids,. Antioxidant ,vitamin, Polyphenols and. Spices and their importance.

UNIT III -NUTRACEUTICAL REMEDIES

[7 hrs]

Nutraceutical remedies for common disorders like Arthritis, Bronchitis, hyperglycemia, Nephrological disorders, Liver disorders, Osteoporosis, Psoriasis and Ulcers. Nutraceutical rich supplements: Caffeine, Green tea, Mushroom extract and Spirulina.

UNIT IV - FUNCTIONAL FOODS

[7 hrs]

Functional foods - Definition, development of functional foods, Applications of herbs to functional foods. Concept of free radicals and antioxidants; Health effects of common beans, *Capsicum annum*, mustards, Ginseng, garlic, grape, citrus fruits, fish oils, and sea foods. Use of nanotechnology in functional food industry.

UNIT V - HEALTH BENEFITS OF NUTRACEUTICALS

[7 hrs]

Nutraceuticals: Carotenoids-lycopene, lutein, saponins, tocotrienol. Polyphenolic compounds: Flavanones, flavones, curcumin, glucosinolates. Phytoestrogens: isoflavones, lignans. Dietary fibresoluble, insoluble fibre and sulphides. Prebiotics, probiotics and omega 3 and 6 fatty acids.

TEXT BOOKS

- 1.Taylor C, Wallace rebert E.C, Wildman, Robert Wildman (2016).Hand book of NutraceuticalsAnd Functional Foods. 2nd edition, CRC press.
- 2. Mandalika Subhadra (2014), Functional Foods And Nutrition, Daya Publishing House.

- 1..Israel Goldberg (Ed.) (1999) Functional foods, designer foods, pharma foods, Nutraceuticals, Aspen publishers Inc., USA.
- 2. L. Rapport and B. Lockwood (2002) Nutraceuticals, 2nd Edition, Pharmaceutical Press.
- 3.M. Maffei (Ed.) (2003) Dietary Supplements of Plant Origin, Taylor & Francis
- 4 Shahidi and Weerasinghe (Ed.) (2004) Nutraceutical beverages Chemistry, Nutrition and health Effects, , American Chemical Society.
- 5. Young, J. (1996) Functional Foods: Strategies for successful product development.

II M.Sc (BC)	HUMAN PHYSIOLOGY	Course Code19PBC41
SEMESTER-IV		HRS/WK-5
CORE-10		CREDIT-4

Objectives

To learn the structure and functions of the different organs present in the human body

COURSE OUTCOMES

CO1: To learn about the digestion and absorption of various macromolecules.

CO2: To learn and gain knowledge about the blood cells and cardiac system.

CO3: To understand the mechanism of respiration and its types.

CO4: To acquire the knowledge about the structure and functions of kidney, nephron and mechanism of urine formation.

CO5: To gain the knowledge about the structure, types and functions of muscles and nervous system.

							, , ,								
SEMESTER IV	COURSE CODE:19PBC41						COURSI	7	HOURS :5	CRED ITS:4					
COURSE	COMES							PROGRAMME SPECIFIC OUTCOMES (PSOS)							
OUTCOMES	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO 5	PS 06	PSO 7	PSO 8	OF CO'S	
CO1	5	5	2	3	2	5	4	4	3	2	4	5	5	49/13	3=4
CO2	4	5	2	2	2	5	4	5	2	2	4	5	3	45/1.	3=3
CO3	4	5	2	2	2	5	3	4	2	2	3	5	3	41/1	3=3
CO4	4	5	2	2	2	5	3	4	3	2	4	5	4	45/13=3	
CO5	5	5	2	4	3	5	5	5	4	2	4	5	5	54/1.	3=4
				Mean O	verall Scor	e								3.4	4

Result: The Score of this Course is 3.4 (High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **High** association with Programme Outcome and Programme Specific Outcome

UNIT I - DIGESTIVE SYSTEM

[15 hrs]

Digestion-Digestive system of man, Digestive processes at various regions of digestive system-Liver, stomach, pancreas, gall bladder & intestine, Composition, functions and regulation of saliva, gastric, pancreatic, and intestinal juice and bile secretions. Digestion and absorption of carbohydrates, lipids, proteins and nucleic acids.

UNIT II - RENAL PHYSIOLOGY

[15 hrs]

Renal system: structure of kidney & nephron. Glomerular filtration, tubular reabsorption of glucose, water and electrolytes and tubular secretion. Mechanism of formation of urine- homeostatic regulation of water and electrolytes, counter current mechanism. Regulation of acid-base balance. Role of reninangiotensin & ADH, renal failure.

UNIT III - RESPIRATORY PHYSIOLOGY

[15 hrs]

Respiratory system: functional anatomy of air passages and lung respiratory muscles, mechanism of respiration, pulmonary ventilation, alveolar surface tension, lung volumes and capacities. Gas-exchange in the lungs & Blood, Regulation of respiration-Role of 2,3-diphosphoglycerate, Bohr's effect and chloride shift, oxygen toxicity& therapy, artificial respiration.

UNIT IV - CARDIO PHYSIOLOGY

[15 hrs]

Cardiac system – physiologic anatomy of heart- genesis and spread of cardiac impulses-coronary cycle, cardiac cycle, heart sound, cardiac output, cardiovascular regulatory mechanisms, E.C.G-Measurement Of ECG. Composition of blood, blood coagulation – mechanism and regulation, fibrinolysis, anticoagulants.

UNIT V - MUSCLE & NERVE PHYSIOLOGY

[15 hrs]

.Nervous system-structure of neuron and synapse-basic functions of synapses & neurotransmitters. Mechanism of transmission of impulse -synaptic transmission, neuromuscular junction. Central nervous system-Cerebrospinal fluid. Basis of EEG, sleep, learning & memory.

Muscles - types of muscle -skeletal and smooth muscle- Molecular basis of muscle contraction.

TEXT BOOKS:

- 1. Ganong W. E, 2019. Review of Medical Physiology", 26thed, Tata Mc. GrawHill.
- 2. Guyton. A.C, Hall. J.E, 2005. "Textbook of Medical Physiology", 11thed. Saunders Company.
- 3. Jain, J.L & Jain, (2005) Human physiology. Sixth Edition, S. Chand& Company, New Delhi.
- 4. DM.Vasudevan, 2008. Textbook of Biochemistry for medical students, 5thedition, Jaypee publishers.

- 1. Meyer, HS Meij, AC Meyer,' Human Physiology', AITBs Publishers and Distributors.
- 2. K. SaradhaSubramanyam,"A Hand Book of Basic Human physiology", S.Chand&Co.,Ltd.
- 3. Y.Rajalaskshmi, 'Guide to Physiology', S.Chand&Co.,Ltd
- 4. C.C.Chatterjee, 1985. Human physiology, 11th edition
- 5. Gerard J. Tortora and Sandra Grabowski. Principles of Anatomy and Physiology 10th Edition By Publisher: John Wiley and Sons.
- 6. K..Sembulingam, PremaSembulingam, (2012)" Essentials of medical physiology" sixth edition, Jaypee publishers.

I M.Sc (BC)

SEMESTER-IV

CORE 11

RESEARCH METHODOLOGY & BIOSTATISTICS

Course Code
19PBC42
HRS/WK-5
CREDIT-4

Objectives:

- To provide knowledge and skills to understand the role of statistics in research.
- To develop skill in scientific writing and recent techniques.
- To provide sufficient background to interpret statistical results in research papers

COURSE OUTCOMES

CO1:To understand the basic concepts of scientific research, objectives of various research, research process, research design and sampling.

CO2: To gain appropriate knowledge about sample collection, hypothesis testing analysis, tabulation of statistical data apart from measures of central tendency and averages.

CO3: To acquire in-depth knowledge about the statistical analysis and hypothesis testing.

CO4: To understand and gain insight knowledge about bioethics and patenting.

CO5: To gain knowledge about the principle and application of various biochemical techniques.

SEMESTE R IV	Cou	rseCo	de:191	PBC42		cou	GY &	HOURS:5 CREDITS:4							
COURSE OUTCOME	PF	ROGRAI	MME O (POS)	UTCOM	MES		PROGRAMME SPECIFIC OUTCOMES (PSOS)								
S	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	OF CO'S	
CO1	4	5	3	4	4	3	4	3	4	4	4	3	4	3.8	
CO2	3	4	4	3	5	4	5	4	3	5	3	4	3	3.8	
CO3	4	4	3	4	3	4	4	2	3	4	4	4	3	3.6	
CO4	3	3	2	3	4	3	3	3	4	4	3	3	4	3.2	
CO5	4	4	3	4	4	4	4	3	4	5	4	2	3	3.7	
	Mean overall score													3.6	

Result: The Score of this Course is 3.6 (High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **High** association with Programme Outcome and Programme Specific Outcome

UNIT I - SCIENTIFIC RESEARCH

[15 hrs]

Research definition, importance & need for research ethics, selection of topic, review of literature, preparation of manuscript, scientific writing, features of abstract, mode of collection of literature,

yearbooks, books & monograph, journals, conference proceedings, abstracting and indexing journals, notes & index cards, internet, magazines. Research design.References-Vancouver and Harvard system.

UNIT II - DATA COLLECTION AND PRESENTATION

[15 hrs]

Collection and classification of data - diagrammatic and graphical representation of data. Tabulation of statistical data-Frequency Distribution-Simple and Cumulative. Displaying data-Histogram, Bar chart, Frequency polygon, Pie chart, less than & more than Ogives. Measures of Central tendency. Mean (arithmetic, harmonic & geometric) median and mode. Measure of Averages – Mean, Median and mode.

UNIT III - STATISTICAL ANALYSIS

[15 hrs]

Measures of Dispersion for biological characters – Quartile Deviation, Mean Deviation and Standard deviation. Correlation & regression Co-efficient, levels of significance, Student t test, Chi square test. F test for equality of variances, Six sigma and Minitab, ANOVA –one way and two way classification.

UNIT IV - BIOETHICS AND PATENTING

[15hrs]

Ethics in animal experimentation and overview about other bioethics .CPCSEA guidelines - Animal care, feed, bedding, water, sanitation and cleanliness, waste disposal, anesthesia and euthanasia. Ethics in food and drug safety. Patenting - definition of patent. Product and process patent. Procedure for patent drafting.

UNIT V - BIOCHEMICAL TECHNIQUES

[15 hrs]

FPLC, HPTLC, Capillary electrophoresis, Mass spectrometry, Circular dichroism - DNA sequencing, FISH - RFLP& RAPD -techniques & application. PCR Technique- Basic principle, Real time PCR & In Situ PCR. Applications of PCR.

TEXT BOOKS:

- 1. Green. R. H. 1979. 'Sampling Design and Statistical Methods for Environmental Biologists' .John Wiley & Sons.
- 2. Dr.A.WilsonAruni,Dr.P.Ramadass "Research and writing: Across the disciplines", MJP Publishers
- 3. Gupta.S.C&Kapoor. V.K. 1978. "Fundamental of Applied Statistics" (2nded) ,MJP Publishers
- 4. Ethics and the use of alternatives to animals in research and education, ShiraneePereira, CPCSEA.
- 5. CPCSEA guidelines for laboratory animal facility (CPCSEA) No.13 Seaward road, ValmikiNagar, Chennai-41.
- 6. Ethical guidelines for biomedical research on human subjects. 2000. ICMR, New Delhi.
- 7. Wayne W, Daniel 2006, biostatistics: a foundation for analysis in the health sciences (9thedition), John Willey and Sons Inc., USA.
- 8. Upadhyay, Upadhyay and Nath,1997. Biophysical Chemistry- Principles and Techniques' Himalaya Publ.

- 1.Dr.G.Vijayalashmi, Dr.C.Sivapragasam "Research methods: Tips and Techniques", MJP Publishers
- 2.Matthews,2001.Sucessful Scientific writing: A step-by step guide for Biomedical Scientists'. 2nd ed. Cambridge University Press
- 3.Thomas Glover, Kevin Mitchell.,2001. Introduction to Biostatistics', 1st ed. McGraw Hill Science4. Dr N .Gurumani, "An Introduction to Biostatistics", MJP Publishers
- 4.Dr N .Gurumani, "Thesis writing and paper presentation", MJP Publishers
- 5. Pavia et al. 2000. Introduction to Spectroscopy', 3rd ed. Brooks/Cole Pub Co.

I M.Sc (BC)	PHARMACOLOGY	Course Code: 19EPB43A
SEMESTER-IV		HRS/WK-5
ELECTIVE IV		CREDIT-4

•

OBJECTIVES:

To understand the various route of drug administration, distribution, metabolism and excretion.

Course Outcomes:

CO1: To acquire knowledge about the study of drugs particularly their metabolism and actions on living system.

CO2: To gain thorough knowledge about the different drug receptors and their actions.

CO3: To get insight knowledge about the adverse effects of drug actions.

CO4: To gain in-depth insights about the mode of action of drugs used in different diseases.

CO5: To acquire knowledge about the study of different chemotherapeutic value of drugs.

SEMESTER – IV	COURSE CODE: 19EPB43A							HOURS:5 CREDITS:4							
COURSE	PI	ROGRAI	MME OU (POS)	UTCOM	ES		PROGRAMME SPECIFIC OUTCOMES (PSOS)								
OUTCOMES	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	SCORE OF CO'S	
CO1	3	4	2	4	3	5	3	5	5	4	3	2	2	3.4	
CO2	3	3	5	4	3	4	5	3	4	3	5	4	4	3.8	
CO3	4	4	4	3	4	4	4	3	4	3	4	4	3	3.6	
CO4	5	2	4	5	3	3	4	5	3	4	4	3	2	3.6	
CO5	3	4	4	3	4	3	3	4	5	4	3	2	4	3.5	
Mean Overall Score											3.5				

Result: The Score of this Course is 3.5 (High)

This Course is having **High** association with Programme Outcome and Programme Specific Outcome

	0 0		0	0 1	
Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

UNIT I - INTRODUCTION

[15 hrs]

Drug: Definition. Classification of drugs based on their sources (plant, animal,& synthetic). Dosagessingle and multiple. Routes of administration & absorption. Factors modifying drug absorption. Distribution of Drugs — structural features and pharmacological activity, prodrugconcept. Metabolism and excretion of drugs-phase-I, II reaction, action of cytochrome P450. Microsomal & non-microsomal metabolism of drugs, drug metabolising enzymes.

UNIT II - DRUG-RECEPTOR INTERACTIONS

[15hrs]

Drug receptor- localization, types and sub types, models and theories. Examples of drug –receptor interactions-G-protein coupled receptor, Acetylcholine receptor, Tyrosine kinase receptor, steroid hormone receptor. Agonist and Antagonist.

UNIT III - PHARMACOKINETICS

[15 hrs]

Drug tolerance and dependence. Principles of basic pharmacokinetics. Adverse response to drugs, drug intolerance, pharmacogenetics, drug allergy, tachyphylaxis, drug abuse, factors modifying drug potency. Drug assay & types - chemical, bio assay and immunoassay.

UNIT IV - DRUG THERAPY-I

[15hrs]

Mechanism of action of drugs used in therapy of respiratory system(cough- eg-chlorpheniranime,Diphenhydramine,bronchial-asthma-eg.,salbutamol, methylxanthines, pulmonary tuberculosis),- General principles & mechanism involved in the chemotherapy of cancer (antimetabolites, alkylating agents, antibiotics. Anti-thyroid drugs eg.Carbimazole and oral Antidiabetic drugs eg-sulfonylurea, biguanide. Anti-BP drugs (adrenergic blockers).

UNIT V - DRUG THERAPY-II

[15 hrs]

Antimalarial drugs —mode of action of chloroquine, quinine, antifungal drugs — mode of action of chlorphenesin, griseofulvin and candicidin. Antiviral drugs - mode of action of idoxuridine, acyclovir and amantadine hydrochloride. Anti-microbial drugs- sulfonamides, trimethoprim, penicillin, aminoglycosides.

TEXT BOOKS:

- 1. G.R.Chatwal, "Pharmaceutical Chemistry -Vol-I &II", Himalaya Publishing House, New Delhi
- 2. JayasreeGhosh "Text book of Pharmaceutical Chemistry", S.Chand& Company, Ltd., New Delhi
- 3. MantTimothy,G.K.Ritter,Jemes,M and Lewis Lionel,D:A Text Book of Clinical Pharamacology.

- 1. Joseph R.Palma, John Di Gregorio "Basic Pharmacology in Medicine", McGraw Hill Publishing Company, New York.
- 2. Good man, Gilman "The Pharmacology, volume I and II". ----
- 3. Katzung ,"Basic and Clinical Pharmacology", 7th edition- ,Prentice hall ,New Delhi
- 4. Atherden, "Text book of Pharmaceutical Chemistry", 8th edition. ----
- 5. Herfuidal and Gourley, 1996. Textbook of Therapeutics (Williams and Wilkins)
- 6. K.D Tripathi, Essentials of medical pharmacology, Jaypee publications 5th edition.

II M.Sc (BC)	
SEMESTER-IV	
ELECTIVE IV	

RECOMBINANT DNA TECHNOLOGY

Course Code
19EPB43B
HRS/WK-5
CREDIT-4

OBJECTIVES

To learn the recent advances in Bio-techniques and in-depth concepts in Recombinant DNA technology.

Course Outcomes:

CO1: To acquire knowledge about the mechanism of action and the use of restriction enzymes in biotechnology research and recombinant protein production

CO2: To gain knowledge about the various steps involved in gene transfer and various selection processes for identifying transformants.

CO3: To get insight about the strategies involved in the expression of cloned genes.

CO4: To understand the site-Directed Mutagenesis (SDM),Protein Engineering and its applications in transgenic plants

CO5: To gain skill and knowledge about the techniques in recombinant DNA technology

SEMESTER IV	COU	RSE COI	DE: 19EF	PB43B		C	COURSE TITLE: RECOMBINANT DNA TECHNOLOGY							HOUR S:5	CRE DITS: 4
COURSE	PROG	RAMMI (PO	E OUTC OS)	OMES		PR	PROGRAMME SPECIFIC OUTCOMES (PSOS)						MEAN SCORE		
OUTCOMES	PO1	PO2	PO3	PO4	PO5	PSO 1	PSO2	PSO3	PSO 4	PS O5	PS 06	PSO 7	PSO 8	OF CO'S	
CO1	5	5	2	3	2	5	4	4	3	2	4	5	5	3.	8
CO2	4	5	2	2	2	5	4	5	2	2	4	5	3	3.	4
CO3	4	5	2	2	2	5	3	4	2	2	3	5	3	3.	2
CO4	4	5	2	2	2	5	3	4	3	2	4	5	4	3.	4
CO5	5	5	2	4	3	5	5	5	4	2	4	5	5	4.	1
	Mean Overall Score													3.58	

Result: The Score of this Course is 3.5 (High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **High** association with Programme Outcome and Programme Specific Outcome

UNIT I -CLONING STRATEGIES

[15 hrs]

Restriction endonucleases - nomenclature and action. DNA ligases. Recombinant DNA (rDNA). Basic steps in cloning. Cloning in plasmid (pBR322, pUC18), phage (λ and M13) Cosmids vectors. BACs and YACs. Methods of splicing of DNA molecules- cohesive end method, homopolymeric tailing, blunt-end ligation. Linkers and adaptors. Construction of genomic and cDNA libraries.

UNIT II- GENE TRANSFER AND rDNA SCREENING

[15 hrs]

Gene transfer methods: calcium phosphate coprecipitation, electroporation, lipofection, viruses, microinjection. Host organisms for cloning- bacteria, yeast and mammalian cells.

Screening of recombinants: marker inactivation (antibiotic resistance, blue-white selection), colony PCR, colony hybridization and immunological screening.

UNIT III -EXPRESSION OF CLONED GENES

[15 hrs]

Expression vectors. Heterologous gene expression. Factors affecting expression of cloned genes. Prokaryotic expression of cloned genes - strong and weak promoter, Fusion proteins-staphylococcus protein A, glutathione-S-transferase, maltose-binding protein, cellulose-binding protein, chitin binding domain, polyhistidine, fluorescent protein tag and its uses.

UNIT IV - SITE-DIRECTED MUTAGENESIS (SDM) AND PROTEIN ENGINEERING [15hrs]

SDM methods- cassette, oligonucleotide-directed, PCR-based. Protein engineering by directed evolution and DNA shuffling. Applications- increasing enzymes action, stability and specificity. Outline of metabolic engineering.

UNIT V - TECHNIQUES IN rDNA TECHNOLOGY

[15hrs]

Preparation of probes. DNA sequencing- enzymatic and automated methods. next generation sequencing - Lynx Therapeutics' Massively Parallel Signature Sequencing (MPSS).DNA fingerprinting - principle and applications. Basic principles of gene knock-in and knock-out technology. Precise genome editing - CRISPR/Cas 9 system. Techniques involved in protein-protein interactions: *In vivo* techniques- Yeast two hybrid, Split ubiquitin system, Co-immunoprecipitation FRET and Bi-Fluorescence system. Hazards and safety aspects of genetic engineering

TEXT BOOKS

- 1. Dale and von Schantz. From Genes to Genomes: Concepts and Applications of DNA Technology. Wiley-Interscience. 3rd ed. 2011.
- 2. Glick and Pasternak. Molecular Biotechnology. ASM Press. 4th ed. 2010.
- 3. U.Sathayanarayana, 2006. Biotechnology. 3rd Edition by Books and Allied (P) Ltd., India

- 1. T.A .Brown: Gene cloning and DNA analysis-An introduction: Wiley-Blackwell. 6th ed. 2010
- 2. James D. Watson et al. Recombinant DNA: Genes and Genomes-A Short Course. W. H. Freeman. 3rd ed. 2006
- 3. Sandy Primrose, Richard Twyman and Bob Old. Principles of Gene Manipulation. Wiley-Blackwell. 6th ed. 2002

II B.Sc (BC)	ENZYMOLOGY	COURSE CODE: 19BC305		
SEMESTER- III	ENZIMOLOGI	HRS/WK-4		
CORE-5		CREDIT-3		

OBJECTIVES:

To understand the structure and classification of enzyme and its mechanism of action.

COURSE OUTCOMES:

CO1: To gain knowledge about the classification, mechanism and chemical nature of enzymes.

CO2: To acquire knowledge about the mechanism of enzyme action using different kinetic equations and also get indepth insights about various enzyme inhibition.

CO3: To understand and able to interpret the inhibition and regulation of Allosteric enzymes

CO4: To gain knowledge about the different types of enzyme catalysis and coenzymes.

CO5: To gain skill and knowledge about the purification and commercial applications of enzymes.

SEMESTER III	C	OURSE	CODE :	: 19BC3()5	COURSE TITLE :ENZYMOLOGY						HOURS:4 CREDITS:3		
	PROGRAMME OUTCOMES(POS)							PROGRAMME SPECIFIC OUTCOMES(PSOS)						
COURSE OUTCOMES	PO1	PO2	PO3	PO4	PO5	PS O1	PSO 2	PSO 3	PSO 4	PS0 5	PSO 6	PSO 7	PSO 8	OF CO'S
CO1	5	4	3	5	4	4	4	3	4	4	5	4	5	4.15
CO2	4	5	3	4	5	4	4	3	4	4	4	5	3	3.92
CO3	4	4	5	4	5	5	4	4	4	4	3	3	4	4.07
CO4	3	4	4	5	4	5	3	3	3	5	5	3	3	3.84
CO5	4	3	3	4	4	5	5	4	5	4	4	5	4	4.15
	Mean Overall Score												4	

Result: The Score of this Course is 4.0 (High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **High** association with Programme Outcome and Programme Specific Outcome

UNIT I - CLASSIFICATION& CHARACTERIZATION OF ENZYMES [15 hrs]

Introduction of Enzymes – Classification, nomenclature, properties and specificity, factors affecting enzyme activity, Active site determination - trapping ES complex, use of substrate analogue. Coenzymes and Cofactors, Units of enzyme activity, Monomeric and oligomeric enzymes. Isoenzymes.

UNIT II - ENZYME INHIBITION

[10 hrs]

Mechanism of enzyme action – Lock and key, induced fit theory. Michaelis - Menten equation - determination of Km and Vmax and its significance. Line weaver Burk plot &Eadie-Hofstee plot. Enzyme inhibition – Competitive, Non-competitive and Uncompetitive inhibition (no derivation), reversible & irreversible inhibition, mixed - partial inhibition (definition) – suicidal inhibition.

UNIT III - CHEMICAL NATURE OF ENZYMES [10 hrs]

Chemical nature of enzyme catalysis: Acid base catalysis, covalent catalysis, metal ion catalysis, proximity, orientation effects. catalysis reaction, Co-enzymes – NAD+, NADP+, FMN & FAD, COA, TPP.

UNIT IV - ALLOSTERIC INHIBITION

[10hrs]

Allosteric enzymes, sigmoidal curve, mode of action (sequential & symmetry model), Allosteric inhibition and its regulation eg., Aspartate transcarbomylase and PFK.

UNIT V - ISOLATION & APPLICATIONS OF ENZYMES

[15hrs]

Basic steps involved in isolation and purification of enzymes, immobilization of enzymes- methods: adsorption, entrapping, ionic bonding, cross-linking and encapsulation. Applications of enzymes - Therapeutic, analytical and industry.

TEXT BOOKS:

- 1. Trevor Palmer, Enzymes, 5th edition, 2004, Affiliated East –West press (P) Ltd. New Delhi.
- RenukaHarikrishnan, "Biomolecules and Enzymes" 2nd edition, 1995, IndrajaPathipagamMadurai.
- 3. Dixon, Malcolm; Webb, Edwin Clifford, Enzymes, 3rd Edition, 1979, Published by Longman, USA,.

- 1. Bery J.M., Tymoezko J.L. and Stryer L, Biochemistry, 5th Edition, 2008, W.H. Freeman and Company, New York,.
- 2. David L. Nelson, LehningerPrinciples of Biochemistry, 6th Edition, 2012, W.H. Freeman and Company, New York,.
- 3. Victor W. Rodwell, Harpers Illustrated Biochemistry 30th Edition, 2015, Lange publishers.
- 4. Jain, J.L & Jain, Fundamentals of Biochemistry. 6th Edition, 2005, S.Chand& Company, New Delhi.

II B.Sc (BC)	ANALYTICAL BIOCHEMISTRY-	COURSE CODE: 19BC306
SEMESTER- III	I	HRS/WK-4
CORE-6		CREDIT-3

Objectives

To understand the principle and applications of various biochemical techniques

Course Outcomes

- **CO1**: To gain knowledge about the properties of colloidal particles and understand the viscosity, surface tension and osmosis concept.
- **CO2:** To acquire knowledge about the principles of pH and its measurement using electrodes and understand the buffers and its role in biological system.
- **CO3:** To get in-depth understanding about the principles of spectroscopy and gain thorough knowledge about UV-Visible spectroscopy.
- **CO4:** Able to gain knowledge and understanding about the working principles, instrumentation and applications of spectroscopic techniques such as spectrofluorimetry, flame photometry and atomic absorbtion spectroscopy.
- **CO5:** To gain knowledge about the principles and applications of centrifugation and its types.

SEME	-	CO	OURSE	CODE	: 19BC3	306	COURSE TITLE: ANALYTICAL BIOCHEMISTRY- I						RY- I	HOURS:4 CREDITS:3	
COU				OGRAM COMES			PROGRAMME SPECIFIC OUTCOMES(PSOS)								MEAN SCORE
OUTC	OMES	PO1	PO2	PO3	PO4	PO5	PSO	PSO	PSO	PSO	PS0	PSO	PSO	PSO	OF CO'S
							1	2	3	4	5	6	7	8	
CC) 1	5	5	5	5	5	5	5	3	5	4	5	5	5	4.38
CO)2	5	5	5	5	4	5	5	3	5	5	5	5	5	4.76
CO)3	5	5	5	5	4	5	5	4	5	4	4	4	5	4.61
CO)4	5	5	5	5	4	5	5	3	5	5	5	5	5	4.76
CO)5	5	5 5 5 5 4 5				5	4	5	5	4	5	5	4.76	
	Mean Overall Score												4.654		

Result: The Score of this Course is 4.7 (Very High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor			High	Very High

This Course is having **Very High** association with Programme Outcome and Programme Specific Outcome

UNIT I - PHYSICAL PROPERTIES OF BIOMOLECULES

[10 hrs]

Units of measurements (Normality, Molarity, Molality & % solution). Colloids - properties of colloids, osmosis and viscosity and its significance in biology, surface tension, factors affecting surface tension.

UNIT II - ELECTRO CHEMICAL TECHNIQUES

[10 hrs]

Electro chemical techniques: Principles of electro chemical techniques pH, pOH, buffer, buffer capacity, Henderson-Hasselbalch equation, buffers in body fluids, Composition of buffer. Measurement of pH using indicator, Glass electrode, Oxygen electrode – Principle and application of Clark electrode.

UNIT III - ELECTROMAGENTIC RADIATION AND SPECTROSCOPY [15 hrs]

Basic Principles of electromagnetic radiation. Energy, wavelength, wave number and frequency, spectrum, absorption and emission spectra, band and line spectra, Beer-Lambert Law, light absorption and its transmittance. UV and Visible Spectrophotometry – Principles, instrumentation and applications with examples, Infrared – principle and application of spectrophotometry.

UNIT IV - SPECTROSCOPY

[15 hrs]

Fluorescence and Phosphorescence. Spectrofluorimetry-Principle, instrumentation and applications in Vitamin assays (Riboflavin and Thiamine), Principle and instrumentation of Atomic absorption spectrophotometer with one example (Absorption & Emission). FTIR, Luminometry- principle and instrumentation of Bioluminescence and Chemiluminescence.

UNIT V – CENTRIFUGATION

[10 hrs]

Centrifugation technique: Basic principles - types of centrifugation, rotors, Sedimentation rate, Svedberg unit. Preparative centrifugation: Differential, Density gradient. Analytical ultracentrifugation- Determination of molecular weight of proteins.

TEXT BOOKS:

- 1. Keith Wilson, and John Walker, Principles and Techniques of Practical Biochemistry. 7th edition; (2010). Cambridge University Press. UK.
- 2. AvinashUpadhyaye, and NirmalendheNath, Biophysical Chemistry Principles and Techniques. 3rd edition; (2002). Himalaya Publishers, New Delhi.
- 3. P.Ashokan, Analytical Biochemistry, 3rd edition; 2006, Chinna Publication.

- 1. S.K. Shawney, Randhir Singh, N, Introduction to Practical Biochemistry, 3rd edition, 2002, Narasa Publication, Delhi.
- 2. Subramanian, M.A. Biophysics: Principles and Techniques, 4th edition, 2016,MJP Publishers, Chennai.
- 3. Pingoud, A., Urbanke, Claus, Hoggett, Jim, Jeltsch, Albert. Biochemical methods, (2002), Wiley.
- 4. Rodney F. Boyer. Biochemistry Laboratory: Modern Theory and Techniques, 2nd Edition, 2011, Pearson Education.

II B.Sc (BC)
SEMESTER-IV
CORE-7

INTERMEDIARY METABOLISM

COURSE CODE:	_
19BC407	
HRS/WK-4	
CREDIT-3	

OBJECTIVES

To understand the pathways of various biomolecules and its energetics.

COURSE OUTCOMES:

CO1: To gain knowledge about the major pathways of carbohydrates such as Glycolysis, TCA cycle, Glycogen metabolism and pentose phosphate pathway

CO2: To acquire knowledge about the various pathways of lipids: how it generates energy and performs cellular work.

CO3: To understand the different catabolic pathway of amino acid metabolism along with urea cycle.

CO4: Able to understand the different biosynthetic and biodegrade pathway of nucleotide metabolism and its coenzymes.

CO5: To gain insights about the various components and metabolic steps involved in ETC.

SEMESTER IV	COURSE CODE:19BC407						COURSE TITLE :INTERMEDIARY METABOLISM							HOURS:4 CREDITS:3
COURSE	PROGRAMME OUTCOMES(POS)						PROGRAMME SPECIFIC OUTCOMES(PSOS)							MEAN SCORE OF CO'S
OUTCOMES	PO1	PO2	PO3	PO4	PO5	PSO	PSO	PSO	PSO	PSO	PSO	PSO	PSO	
oc recining						1	2	3	4	5	6	7	8	
CO1	4	5	4	3	4	4	4	4	3	4	3	4	4	3.5
CO2	3	4	4	4	4	4	3	4	4	4	3	4	4	3.8
CO3	4	4	3	4	4	3	4	4	4	3	4	3	4	3.7
CO4	4	4	4	3	4	3	3	3	5	5	5	5	3	4.3
CO5	4	4	4	4	3	4	3	3	3	4	3	4	3	3.7
					Mea	n overa	ll score							3.8

Result: The Score of this Course is 3.8 (High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **High** association with Programme Outcome and Programme Specific Outcome

UNIT I - CARBOHYDRATE METABOLISM [12hrs]

Glycolysis – aerobic and anaerobic, energetics, Pyruvate dehydrogenase complex, oxidation of pyruvate, citric acid cycle Glycogenesis and glycogenolysis. Pentose phosphate pathway and Gluconeogenesis.

UNIT II - BIOSYNTHESIS OF FATTY ACIDS

[12hrs]

Biosynthesis of fatty acids -saturated and unsaturated, Fatty acid synthase complex, Biosynthesis of cholesterol, Biosynthesis of triglycerides and phospholipids (lecithin and cephalin only). Degradation of fatty acids, oxidation of fatty acids – alpha, beta, and omega oxidation.

UNIT III -FATE OF DIETARY PROTEINS

[12hrs]

Introduction – fate of dietary proteins – Glucogenic and Ketogenic amino acids, catabolism of amino acids – Transamination , oxidative and non-oxidative deamination, Decarboxylation – urea cycle .

UNIT IV - BIOSYNTHESIS OF NUCLEOTIDES

[12hrs]

Biosynthesis of purine and pyrimidine – de novo and salvage pathway. Degradation of purine and pyrimidine nucleotides. Regulation of purine & pyrimidine nucleotides. Biosynthesis of nucleotide coenzymes – NAD and FAD. Conversion of ribonucleotides to deoxyribonucleotides.

UNIT V - ELECTRON TRANSPORT CHAIN

[12hrs]

The Electron transport chain - components and reactions of ETC. Oxidative phosphorylation - chemi osmotic theory, P/O ratio, uncouplers of oxidative phosphorylation.

TEXT BOOKS:

- M.N Chatterjea and RanaShinde," Text book of Medical biochemistry",8th edition,2012,
 Jaypee Publishers, New Delhi
- 2. Jain, J.L & Jain, (2005) Fundamentals of Biochemistry. Sixth Edition, S. Chand& Company, New Delhi.

- 1. Lehninger, 2012. Principles of Biochemistry 6th Edition by David L. Nelson
- 2. Victor W. Rodwell, 2015. Harpers Illustrated Biochemistry, 30th Edition.
- 3. Voet, D. &Voet, J. G. 2010. Biochemistry. 4th edition
- 4. U.Sathayanarayana, (2006). Biochemistry. 3rd Edition by Books and Allied (P) Ltd., India.

II B.Sc (BC)	ANALYTICAL BIOCHEMISTRY- II	COURSE CODE:
SEMESTER-IV	ANALTICAL DIOCHEMISTAT-II	19BC408
Major 8		CREDIT-3

OBJECTIVES

To understand the principle and applications of various biochemical techniques

COURSE OUTCOMES

- CO1: To gain knowledge about the operating principles & applications of chromatography
- **CO2:** To gain knowledge about the working principle, instrumentation, & applications of various types of detectors used in chromatography.
- **CO3:** To understand and acquire knowledge about the working principle, instrumentation & applications of different kinds of electrophoretic techniques.
- **CO4:** Able to demonstrate their skills in basic concepts in types of radiation, detection and its measurement using radioisotope techniques.
- **CO5:** To gain knowledge about the operating principles & applications of microscopy and Blotting techniques.

SEMESTER IV	COURSE CODE: 19BC408					COURSE TITLE: ANALYTICAL BIOCHEMISTRY- II							HOURS:4 CREDITS:	
	PROGRAMME OUTCOMES(POS)					PROGRAMME SPECIFIC OUTCOMES(PSOS)							MEAN	
COURSE OUTCOMES	PO1	PO2	PO3	PO4	PO5	PSO 1	PSO 2	PSO 3	PSO 4	PS0 5	PSO 6	PSO 7	PSO8	SCORE OF CO'S
CO1	5	5	5	5	5	5	5	3	5	4	4	5	4	4.61
CO2	5	5	5	5	5	5	5	3	4	5	5	5	5	4.76
CO3	5	5	5	5	5	5	5	4	4	4	4	5	5	4.69
CO4	5	5	5	5	5	5	5	3	4	5	5	5	4	4.69
CO5	5	5	5	5	5	5	5	3	3	5	4	5	5	4.61
	Mean Overall Score												4.672	

Result: The Score of this Course is 4.7 (Very High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating< =5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **VeryHigh**association with Programme Outcome and Programme Specific Outcome

UNIT I - CHROMATOGRAPHY

[12hrs]

Principle, procedure and types of Paper chromatography, Thin layer chromatography, Gas liquid chromatography, Molecular sieve chromatography, High performance liquid chromatography, Affinity chromatography and ion exchange chromatography.

UNIT II - COLUMN&DETECTORS

[12hrs]

Column types.-Phase, reverse phase, ion exchange and size exclusion types and its applications. Detectors in chromatography – UV, PDA, electron capture, Thermal conductivity and Flourescence detector.

UNIT III – ELECTROPHORESIS

[12hrs]

Electrophoresis-Factors affecting electrophoretic mobility, Principle, procedure and applications of Paper, Cellulose acetate, Gel electrophoresis: Agarose, Polyacrylamide, SDS-PAGE. Isoelectro focusing.

UNIT IV - RADIOISOTOPE TECHNIQUES

[12hrs]

Radio isotope Techniques: Atomic structure, isotopes, type of radioactive decay, half-life, and units of radioactivity. Detection and measurement of radioactivity, Methods based upon ionization - GM counter and Scintillation counter. Autoradiography, applications of radioisotopes in biology.

UNIT V - MICROSCOPY & BLOTTING TECHNIQUES [12hrs]

Basic principle and components of Light microscopy, Phase field inverted microscopy, fluorescence microscopy. Blotting techniques-Southern, Northern, Western and Eastern.

TEXT BOOKS:

- 1. Keith Wilson, John Walker, Principles and Techniques of Practical Biochemistry. 7th Edition, 2010, Cambridge University Press, UK.
- 2. AvinashUpadhyaye, NirmalendheNath, Biophysical Chemistry Principles and Techniques. 3rd Edition, 2002, Himalaya Publishers, New Delhi.
- 3. P.Ashokan, Analytical Biochemistry, 3rdEdition, 2006, Chinna Publication.

- 1. S.K. Shawney, Randhir Singh, N, Introduction to Practical Biochemistry, 3rdEdition, 2002, Narasa Publication, Delhi.
- 2. Subramanian, M.A. Biophysics: Principles and Techniques, 4thEdition, 2016,MJP Publishers, Chennai.
- 3. Rodney F. Boyer. Biochemistry Laboratory: Modern Theory and Techniques, 2nd Edition, 2011, Pearson Education.

YEAR - II	IMMUNOLOGY	19MB305	
SEMESTER - III	(For the students who are admitted	HRS/WK - 4	
CORE - 5	in the year	CREDITS - 3	
CORE - 5	2019 – 2020 and onwards)	CREDITS - 3	

Objective: To make the students understand the basic concepts of Immunology and immune system.

Course Outcomes:

Upon successful completion of the course, the student:

CO1: will be able to differentiate types of immunity **CO2:** will be able to describe antigens and antibodies

CO3: will be able to appreciate the concept of Complement

CO4: will be able to explain the structure and functions of immune cells

CO5: will be able to explain the concept of hypersensitivity

SEMESTER		COU	RSE C	ODE:		COURSE TITLE:			HOURS	CREDITS
:		19	9MB30)5		IMMUNOLOGY			:	:
III									4	3
		PRO	GRAN	ИМЕ		PROGRAMME				
COURSE		OUTO	COME	S (PO)	١	SPECIFIC			MEAN SCORE OF	
OUTCOME						OUTCOMES (PSO)			COs	
S	PO	PO	PO	PO	PO	PSO PSO PSO				
	1	2	3	4	5	1	2	3		
CO1	3.5	3	4	5	4	4	4	5	4	4.6
CO2	3	3	3.5	3.5	3	3	4	4.5		3.4
CO3	2	3	3	4	4	3	4.5	5	3.5	
CO4	4	2	3	3.5	4	3.5	3.5	4	•	3.4
CO5	3	2.5	3.5	4	4	3.5	4	4.5	•	3.6
Mean Overall Score										3.7

Result: The score of this course is 3.7 (High)

Associatio	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
n					
Scale	1	2	3	4	5
Interval	0<=rating<=	1.1<=rating<	2.1<=rating<	3.1<=rating<	4.1<=rating<
	1	=2	=3	=4	=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **HIGH** association with Programme Outcomes and Programme Specific Outcomes.

Unit 1: (12

hrs)

Infection- Classification of infections, Source of infection, Methods of transmission of infection, Factors predisposing to microbial pathogenicity, Types of infectious diseases — **Immunity -** Innate or native immunity, Factors affecting innate immunity, Mechanisms of innate immunity, Acquired or adaptive immunity, Active immunity, Passive immunity, Local immunity, Herd immunity

Antigens - Types of antigens, Determinants of antigenicity, Biological classes of antigens, Determinants recognized by the innate immune system. **Antibodies** - **Immunoglobulins** - **Antibody** Structure, Enzyme digestion, Immunoglobulin chains, Immunoglobulin domains, Hyper variable and framework regions, Constant region domains, Hinge region, Immunoglobulin classes, Abnormal Immunoglobulins, Immunoglobulin specificities, Antibody diversity, Class switching

Unit 3: (12 hrs)

Antigen – **Antibody Reactions** - Serological reactions, Precipitation reaction, Mechanism of precipitation, Agglutination reaction; **Complement System** - General properties, Components, Complement activation, Classical complement pathway, Alternative complement pathway, Lectin complement pathway, Regulation of complement activation, Biological effects of complement, Quantitation of complement and its components, Biosynthesis of complement, Defeciencies of the complement system

Unit 4: (12 hrs)

Structure and Functions of Immune Cells & Organs- The lymphoid system, Central (primary) lymphoid organs, Thymus, Bone marrow, Peripheral (secondary) lymphoid organs, Lymph nodes, Spleen, Cells of the lympho reticular system, Lymphocytes, T – Cell maturation, T cell receptors, Types of T cells, B – Cell maturation, Null cells, Phagocytic cells, Abnormalities of immune cells, Major histocompatibility complex (MHC), Classes of proteins, HLA complex, HLA typing, MHC restriction - Immune Response - Humoral Immune Response (Antibody Mediated), Primary and secondary responses, Fate of antigen in tissues, Production of antibodies, Cellular Immune Response, Scope of cell – mediated immunity (CMI), Induction of cell – mediated immunity (CMI), Cytokines, Detection of cell mediated immunity (CMI), Transfer Factor, Immunological Tolerance, Theories of Immune Response

Unit 5: (12 hrs)

Hypersensitivity - Classification of hypersensitivity reactions, Type I Reactions (IgE dependent), Anaphylaxis, Atopy, Type II reactions: cytolytic and cytotoxic, TypeIII reactions: immune complex diseases, Arthus reaction, Serum sickness, Type IV reactions: Delayed Hypersensitivity, Tuberculin (Infection) type, Cutaneous basophil hypersensitivity, Contact dermatitis type, Type v reactions (stimulatory hypersensitivity), Shwartzman reaction

Text Book

• Ananthanarayanan, R and Paniker C.K. Text Book of Microbiology, 2009, (8thEdition), Universities Press (India) Private Ltd., Hyderabad – 500029 (A. P.), India.

Reference Books

- Tizard, I. R. Immunology. 1995 (4^{lh} Edition), Saunders College Publishing.
- Weir, D.M. and J. Stewart.Immunology.1997 (8th Edition), Churchill Livingstone, New York.
- Mark Peakman and DiegoVergani. 1st magazine, 1997, Basic and Clinical Immunology. Churchill Livingstone, New York.

YEAR - II	MOLECULAR BIOLOGY	19MB306
SEMESTER - III	(For the students who are admitted in the year	HRS/WK - 3
CORE - 6	2019 – 2020 and onwards)	CREDITS - 3

Objective: To make the students understand the basic principles in molecular biology.

Course Outcomes:

Upon successful completion of the course, the student:

CO 1: will be able to appreciate the Central dogma of Molecular biology

CO 2: will be able to explain the structure of nucleic acids

CO 3: will be able to describe the organization of prokaryotic genetic material

CO 4: will be able to explain the process of DNA replication

CO 5: will be able to explain the process of gene expression

SEMESTER:	COURSE CODE: 19MB306				COURSE TITLE: MOLECULAR BIOLOGY		HOURS:	CREDITS:			
COURSE OUTCOMES	PROGRAMME OUTCOMES (PO)					PROGRAMME SPECIFIC OUTCOMES (PSO)			MEAN SCORE OF		
OUTCOMES	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	COs	COS	
CO1	3.5	3	4	4	4	4	4	5		3.9	
CO2	3	3	3.5	3.5	3	3	4	4.5		3.4	
CO3	2	3	3	4	4	3	4.5	5		3.5	
CO4	4	2	3	3.5	4	3.5	3.5	4		3.4	
CO5	3	3	3.5	4	4	3.5	4	4		3.6	
Mean Overall Score							3.6				

Result: The score of this course is 3.6 (High)

Associatio	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
n					
Scale	1	2	3	4	5
Interval	0<=rating<=	1.1<=rating<	2.1<=rating<	3.1<=rating<	4.1<=rating<
	1	=2	=3	=4	=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **HIGH** association with Programme Outcomes and Programme Specific Outcomes.

Unit 1: (9 Hrs)

Basic concepts of Molecular biology: Nucleic acid as Genetic material- Griffith experiment, Hershey & Chase experiment; Central dogma of Molecular biology, structure and functions of Nucleic acid: Nucleosides and Nucleotides, purines and pyrimidines.

Unit 2: (9 Hrs)

renaturation of DNA -Structure of RNA -Types (t-RNA, r-RNA, m-RNA) - RNA as the genetic material.

Unit 3: (9 Hrs)

Organization of prokaryotic genetic material - Plasmids - Organization of eukaryotic genetic material - Chromosome - Transposons - Concept of gene - genetic code.

Unit 4: (9 Hrs)

Replication of DNA - Enzymology of replication - Mutation types - Mutagenic agents - carcinogenicity testing- DNA damage and repair.

Unit 5: (9 Hrs)

Gene expression – Detailed account of Transcription and Translation – Post-transcriptional modifications in prokaryotes and eukaryotes - Post-translational modifications.

Text Books

- Freifelder's Essentials of Molecular Biology, 2015 4Th/Ed by Malacinski, Jones & Bartlett.
- Principles of Molecular Biology. Veer Bala Rastogi, 2016.

Reference Books

- Benjamin Lewin, Gene VIII. 2003 (8th Edition). Oxford University Press.
- Twyman, R M., Advanced Molecular Biology A concise Reference, 1998. Viva Books Private Ltd., New Delhi.
- Introduction to Molecular Biology, 2010.Peter Paolella. Tata McGraw-Hill Publishing Company.

YEAR - II	IMMUNOTECHNOLOGY	19MB407
SEMESTER - IV	(For the students who are admitted in the year	HRS/WK - 4
CORE - 7	2019 – 2020 and onwards)	CREDITS - 3

Objective: To make the students understand the applications of immune reactions

Course Outcomes:

Upon successful completion of the course, the student:

CO 1: will be able to describe antigen and antibody reactions

CO 2: will be able to describe immunodeficiency diseases

CO 3: will be able to appreciate the concept of autoimmunity

CO 4: will be able to explain transplantation and malignancy

CO 5: will be able to explain the applications of immunohematology

SEMESTER:	COURSE CODE:				COURSE TITLE:			HOURS:	CREDITS:	
IV		19	9MB4()7		IMMU	NOTECHN	OLOGY	4	3
COURSE OUTCOMES	PROGRAMME OUTCOMES (PO)				PROGRAMME SPECIFIC OUTCOMES (PSO)			MEAN SCORE OF Cos		
OUTCOMES	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	Cos	
CO1	2	5	4	4	3	3	4	4	4	4.5
CO2	2	4	4	4	4	3	3	4	4	4.3
CO3	2	3	3	4	4	2	3	3	(3.8
CO4	3	5	4	4	4	3	3	4	(3.0
CO5	3	3	3	5	5	4	4	4		3.8
	Mean Overall Score								3.8	

Result: The score of this course is 3.8 (High)

Associatio	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
n					
Scale	1	2	3	4	5
Interval	0<=rating<=	1.1<=rating<	2.1<=rating<	3.1<=rating<	4.1<=rating<
	1	=2	=3	=4	=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **HIGH** association with Programme Outcomes and Programme Specific Outcomes.

Unit 1: (12 hrs)

Antigen – **Antibody Reactions**–Antigen-antibody titre - Complement fixation test (CFT), Neutralization tests, Opsonisation, Radioimmunoassay (RIA), Enzyme immunoassay (EIA), Enzyme linked immunosorbent assay (ELISA), Chemiluminescence immunoassay (CLIA), Immunoelectroblot / Western blot techniques, Immunochromatographic tests, Immunoelectron microscopic tests, Immunofluorescence.

Unit 2: (12

hrs)

Immunodeficiency Diseases - Primary immunodeficiencies, Disorders of specific immunity, Humoral immunodeficiencies, Cellular immunodeficiencies, Combined immunodeficiencies, Disorders of complement, Disorders of phagocytosis, Secondary immunodeficiencies.

Unit 3: (12 hrs)

Autoimmunity - Mechanisms of autoimmunity, Classification of autoimmune diseases, Hemocytolytic autoimmune diseases, Localised (organ – specific) autoimmune diseases, Systemic (non – organ specific) autoimmune diseases, Pathogenesis of autoimmune disease - **Production of antibodies -** Monoclonal antibodies, Factor influencing antibody production.

Unit 4: (12 hrs)

Immunology of transplantation and malignancy - Immunology of transplantation, Classification of transplants, Types of grafts, allograft reaction, Histocompatibility antigens, Histocompatibility testing, Immunology of malignancy, Clinical evidence of immune response in malignancy, Tumour antigens, Immune response of malignancy, Immunological surveillance, Immunotherapy of cancer.

Unit 5: (12 hrs)

Immunohematology - ABO blood group system, Rh blood group system, Other blood group system, Medical applications of blood groups, Blood transfusion, Hemolytic disease of the newborn, Detection of Rh antibodies, Identification of Rh incompatibility, ABO hemolytic disease.

Text Book

• Text Book of Microbiology, 2009, (8th Edition). Ananthanarayanan, R and Paniker C.K. Universities Press (India) Private Ltd., Hyderabad – 500029 (A. P.), India.

Reference Books

- Immunology. 1995 (4^{lh} Edition). Tizard, I. R. Saunders College Publishing.
- Immunology.1997 (8th Edition). Weir, D.M. and J. Stewart. Churchill Livingstone, New York.
- Basic and Clinical Immunology. 1997. Mark Peakman and DiegoVergani. Churchill Livingstone, New York.

YEAR - II	MICROBIAL GENETICS	19MB408
SEMESTER - IV	(For the students who are admitted in the year	HRS/WK - 3
CORE - 8	2019 – 2020 and onwards)	CREDITS - 3

Objective: To make the students understand the basic principles in microbial genetics.

Course Outcomes:

Upon successful completion of the course, the student:

CO 1: will be able to appreciate bacterial transformation

CO 2: will be able to explain Bacterial Conjugation

CO 3: will be able to describe the Regulation of gene expression

CO 4: will be able to explain Phage genetics

CO 5: will be able to explain the process of Transduction

SEMESTER		COURSE CODE:				COU	RSE TI	TLE:	HOURS	CREDITS	
:			KSE C 9MB4(_		MI	CROBI	AL	:	:	
IV		13	9WID4U	J0		G	ENETI	CS	4	3	
		DDA	GRAN	ллг		PRO	OGRAM	IME			
COURSE				S (PO)		S	SPECIFIC				
OUTCOME		OUIC	UNIE	S (PU)		OUTCOMES (PSO)			MEAN SCORE OF		
S	PO	PO	PO	PO	PO	PSO	PSO	PSO	(COs	
3	1	2	3	4	5	1	2	3			
CO1	3	4	3	2	3	4	4	4	3	3.37	
CO2	3	4	2	3	2	4	4	4	3	5.25	
CO3	3	3	4	3	3	4	4	4	3	5.50	
CO4	4	3	4	2	2	4	4	4	3	.37	
CO5	3	4	3	3	3	4	4	4	3	5.50	
	Mean Overall Score								3	3.39	

Result: The score of this course is 3.39 (High)

Associatio	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
n					
Scale	1	2	3	4	5
Interval	0<=rating<=	1.1<=rating<	2.1<=rating<	3.1<=rating<	4.1<=rating<
	1	=2	=3	=4	=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **HIGH** association with Programme Outcomes and Programme Specific Outcomes.

Unit -1 (9 Hrs)

Introduction; Bacterial plasmids; Gene transfer mechanisms - **Bacterial Transformation** – the discovery of transformation, detection of transformation – competence – DNA uptake – molecular mechanism of transformation – mapping by transformation.

Unit - 2 (9 Hrs)

Bacterial Conjugation – Insertion of F plasmid into the *E. coli* chromosome, Hfr Transfer, Recombination in recipient cells, properties of systems lacking recombination proteins – the RecA, B, C proteins and their function – chromosome transfer in bacteria other than *E. coli*

Unit - 3 (9 Hrs)

Regulation of gene expression – common modes of regulation – the *E. coli* Lactose system and the operon model – the tryptophan operon, a biosynthetic system. Autoregulation

Unit – 4 (9 Hrs)

Bacteriophages – General properties life cycle – counting phage – **Phage genetics I**: phage T4, Genetic mapping of phage T4 phage, features of T4 life cycle. **Phage genetics II**: phage λ , life cycle of λ , recombination of λ DNA.

Unit - 5 (9 Hrs)

Transduction – generalized & specialized transduction – co-transduction and linkage – Mapping by cotransduction.

Text Book

- Microbial Genetics. 1987. Freifelder D. Narosa Publishing House, New Delhi.
- Modern Microbial Genetics. 2002 (2nd Edition). Streips U. N. and R. E. Yasbin. Wiley-Liss, Inc., New York.

Reference Books

- Gene VIII. 2003 (8th Edition). Benjamin Lewin. Oxford University Press.
- Advanced Molecular Biology A concise Reference. 1998. Twyman R M. Viva Books Private Ltd., New Delhi.
- Freifelder's Essentials of Molecular Biology. 2015 (4thEdition).Malacinski, Jones & Bartlett. Narosa Publishing House, New Delhi.

II B.Sc. Microbiology	BASIC EXPERIMENTS IN	21MBP402
SEMESTER – III & IV	IMMUNOLOGY & MICROBIAL	HRS/WK - 4
	GENETICS	
CODE DDA CTICAL 2	(For the students who are	CREDITS – 3
CORE PRACTICAL - 2	admitted in the year	
	2019 – 2020 and onwards)	

Objective: To enable the students learn the basic procedures in Immunology

LIST OF EXPERIMENTS

- 1. Separation of serum
- 2. Separation of plasma
- 3. Blood grouping Forward
- 4. Widal Slide test
- 5. ASO test
- 6. RPR test
- 7. RA test
- 8. VDRL test
- 9. Study of blood smear for cell morphology
- 10. Differential Count
- 11. WBC & RBC Count
- 12. Bacterial agglutination

LIST OF SPOTTERS

- 1. Centrifuged blood showing serum & blood clot
- 2. Eosinophil
- 3. Monocyte
- 4. Lymphocytes
- 5. Neutrophils
- 6. Widal test
- 7. Single Radial Immuno diffusion
- 8. Immuno electrophoresis test
- 9. Latex agglutination test
- 10. Counter Immuno electrophoresis
- 11. ASO antigen
- 12. RPR antigen
- 13. Haemocytometer
- 14. ELISA plate
- 15. Normal saline
- 16. Widal O, H antigen
- 17. Anti A, B and D reagent
- 18. Electrophoresis Horizontal tank

- 19. EDTA
- 20. Leishman stain
- 21. Pasteur pipette
- 22. Micro pipette
- 23. Water bath
- 24. Trisodium Citrate
- 25. Rocket Immuno Electrophoresis
- 26. Ouchterlony method
- 27. Electrophoresis power pack
- 28. Gel puncture
- 29. RBC pipette
- 30. WBC pipette
- 31. ABO blood grouping
- 32. Centrifuge
- 33. VDRL shaker

II B. Sc. Zoology	ALLIED MICROBIOLOGY	19AMB404
SEMESTER - IV	For the students admitted from the year 2016-	HRS/WK - 5
ALLIED THEORY	17 onwards	CREDIT - 4

Objective: To make the students to understand the basic principles of microbiology.

Course outcomes:

Upon successful completion of the course, the student:

CO 1: will be able to appreciate the discoveries in Microbiology

CO 2: will be able to apply the principles of various microscopes

CO 3: will be able to explain different methods of sterilization

CO 4:will be able to apply the concept of microbial growth

CO 5: will be able to elaborate on the important groups of microorganisms and their role

Unit – 1 (15 Hrs)

Introduction - History and scope of Microbiology - Shape and Size of bacterial cells -Structure of bacterial cell -Structure and functions of cell organelles (Cell wall, structures found outside the cell wall and within the cell wall) - Structure of Endospore

Unit - 2 (15 Hrs)

Microscopy - Simple, Compound, Dark field, Phase contrast, Fluorescent, Electron Microscopes - Staining - Classification Microorganisms - Haeckel's, Whitaker's - Prokaryotes and eukaryotes - Taxonomical ranks - Binomial Nomenclature - Characteristics used in Taxonomy

Unit - 3 (15 Hrs)

Sterilization - Physical agents - Moist heat, Dry heat, Radiation, Filtration - Chemical agents - Phenols and phenolic compounds, Alcohols, Gaseous agents - Antibiotics - Classification, Mode of action - Antifungal and antiviral agents - examples

Unit – 4 (15 Hrs)

Motility of bacteria - Nutrient requirements of microorganisms - Growth factors - Nutritional types - Culture media - Pure culture - Microbial growth - Growth curve - Measurement of microbial growth - Continuous culture - Environmental factors affecting growth - Bacterial reproduction

Unit - 5 (15 Hrs)

Brief description of important groups of bacteria - Archaeobacteria, Spirochetes, Mycoplasma, Actinomycetes, Photosynthetic bacteria, Cyanobacteria, Methanogenic bacteria, Sulfate utilizing bacteria - General characteristics of Algae, Fungi, Protozoa and viruses - Human diseases and the pathogen involved – Role of microorganisms in the environment

Text Books

- Microbiology.1993 (Fifth edition). Michael J. Pelzar.. Jr., E.C.S. Chan, Noel R. Krieg. Tata McCraw Hill., New Delhi.
- Microbiology. 2003(5th Edition).Prescott, L. M., J. P. Harely and D. A. Klain McGraw Hill, New York.

Reference Books

- Microbiology. 1992. (5th edition). Roger Y. Stanier, John L. Ingraham, Mark L. Wheelis, Page R. Painter. Macmillan.
- Principles of Microbiology. 1997(2nd Edition). Atlas R. A. Iowa, Wm. C. Brown Publishers.
- Foundations in Microbiology. 1999. (3rd Edition). Talaro K. P. and A. Talaro. WCB McGraw Hill

II B.Sc. Zoology	ALLIED MICROBIOLOGY PRACTICAL	19AMP404
SEMESTER – IV	For the students admitted from the year 2016-	HRS/WK - 3
ALLIED PRACTICAL	17 onwards	CREDIT - 2

Objective: To enable the students learn the basic staining procedures in Microbiology

Microscopy

- 1. Simple staining
- 2. Gram staining Gram positive cocci
- 3. Gram staining Gram negative bacilli
- 4. Acid-fast staining
- 5. Spore staining
- 6. Capsule staining
- 7. Motility Hanging drop method
- 8. Observation of Fungi (*Penicillium*, *Aspergillus*, *Mucor*, *Rhizopus*) LPCB mount, Algae (*Chlorella*, *Spirogyra*) and Protozoa (*Amoeba*, *Paramecium*), Yeast (*Saccharomyces cerevisiae*) Gram staining
- 9. Media preparation and culture technique (Demonstration only)

LIST OF SPOTTERS:

- 1. Inoculation loop
- 2. Inoculation needle
- 3. Anaerobic jar
- 4. Hot air oven
- 5. Autoclave
- 6. Laminar air flow
- 7. Incubator
- 8. MacConkey Agar
- 9. TCBS Plate
- 10. EMB Agar
- 11. Spirochetes
- 12. Eyepiece
- 13. Objective lens
- 14. Membrane filter
- 15. Acid Fast Bacilli
- 16. Gram positive cocci
- 17. Gram negative rods
- 18. Gram positive yeast
- 19. Spore staining
- 20. Aspergillus
- 21. Dark field microscopy
- 22. NA slant with liquid paraffin
- 23. Water bath

- 24. L rod
- 25. pH meter
- 26. Crystal violet
- 27. Chlamydomonas
- 28. Mushroom
- 29. Immersion oil
- 30. Centrifuge

III B.Sc. ZOOLOGY	BIOFERTILIZER TECHNOLOGY	20EZ513A
SEMESTER - V	For the students admitted from the year	HRS/WK - 4
ELECTIVE	2018-19 onwards	CREDIT - 2

Objective: To enable the students learn the importance of biofertilzers and their production

- To enlighten the students with the knowledge of microbial inoculants
- To highlight the role of microorganisms in soil fertility and plant growth promotion
- To understand the process of isolation, production, formulation, method of application and quality control of bio-fertilizers

Course Outcomes:

Upon successful completion of the course, the student:

CO 1: will be able to appreciate the role of soil microorganisms

CO 2: will be able to describe various nitrogen fixing organisms

CO 3: will be able to explain different nutrient solubilizing bacteria

CO 4: will be able to gain knowledge on production of biofertilizers

CO 5: will be able to elaborate on the formulation of biofertilizers

SEMESTER:		COU	RSE C	ODE:		TIT	LE OF	ГНЕ	HOURS:	CREDITS:	
V		20	EZ513	BA		PAPER:			4	2	
						BIOFERTILIZER					
						TECHNOLOGY					
	PROGRAMME OUTCOMES					PRO	PROGRAMME			MEAN SCORE OF	
COURSE	(PO)					S	PECIFI	C	(COs	
OUTCOMES	MES					OUTCOMES (PSO)					
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3			
CO1	3	2	5	5	4	4	4	5	4	4.0	
CO2	2	2	5	5	3	3	5	5	,	3.7	
CO3	2	2	4	5	4	3	5	5	•	3.7	
CO4	4	2 4 4 4		4	3	4	4	3.6			
CO5	4 2 4 4 4			3	5	5	3.8				
	Mean Overall Score										

Associatio	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%	
n						
Scale	1	2	3	4	5	
Interval	0<=rating<=	1.1<=rating<=	2.1<=rating<=	3.1<=rating<=	4.1 <=rating<=	
	1	2	3	4	5	
Rating	Very Poor	Poor	Moderate	High	Very High	

This Course is having **HIGH** association with Programme Outcomes and Programme Specific Outcomes.

Unit - 1 (12 Hrs)

Soil microorganisms and Plants: Important groups of soil microorganisms - Bacteria, Fungi, Algae, Protozoa, and Viruses - Microbial interactions in soil- positive and negative interactions - Rhizosphere - Phyllosphere - Spermosphere - R:S ratio; Biofertilizers - definition, types, importance of biofertilizers in agriculture; Plant Growth Promoting Rhizobacteria (PGPR) and their products - Cytokinin, Gibberellic acid, IAA, HCN and Siderophore.

Unit - 2 (12 Hrs)

Nitrogen fixers: Biological nitrogen fixation (BNF) - mechanism of BNF - Symbiotic nitrogen fixation - legume symbiosis- Rhizobium- characters and classification, nodulation- Free living nitrogen fixation - BGA, Azolla, Azospirillum, Azotobacter, Glucanoacetobacter and Frankia.

Unit - 3 (12 Hrs)

Nutrient solubilizers and mobilizers: Solubilization of insoluble P, K, Zn and Si; Important solubilizing bacteria and fungi - Mycorrhizal bioinoculants – classification - Ectomycorrhizae – Endomycorhizae - VAM- Taxonomy of mycorrhizae – role of mycorrhizae.

Unit – 4 (12 Hrs)

Production technology: Isolation and mass multiplication of Nitrogen fixers (*Rhizobium*), P, K, Zn and Si solubilizing organisms (*Pseudomonas*), BGA, *Azollae* and Mycorrhizae - Carrier materials – selection, sterilization and preparation of carrier materials – fermenters.

Unit - 5 (12 Hrs)

Formulation of biofertilizers: Carrier based, gel based and liquid based biofertilizers - Quality control of different formulations — Problems and constraints in production- Methods of application and recommendations

Text Books

- Soil Microbiology.199 (4th Edition). Subba Rao N.S. Oxford and IBH Publishing Co. Pvt. Ltd., New Delhi, India
- Agricultural Microbiology. 2002(2nd Edition).Bagyaraj D.J. and G. Rangasamy. Prentice Hall, New Delhi, India

Reference Books

- Microbes as Bio-fertilizers and their production Technology. 2015. Borkar S.G. Wood Head Publishers, New Delhi.
- Biofertilizers: Commercial production Technology and quality control. 2017. Hyma P. Random publishers, New Delhi
- Biofertilizer Manual. 2006. FNCA (Forum for Nuclear Cooperation in Asia) Biofertilizer Project Group. Published by Japan Atomic Industrial Forum.

II-MSC (CS)	DATA SCIENCE AND BIG DATA	20PCS41
SEMESTER - IV	ANALYTICS	HRS/WK –4
CORE – 12	For the students admitted from the year 2020	CREDIT – 3

Objectives:

- ❖ To provide basics for Data Science.
- ❖ To build working knowledge on R Program.
- ❖ To build working knowledge R Object.
- ❖ To build skills in working with Big Data, Hadoop and Spark

COURSE OUTCOMES (COs):

After learning this course, the students should be able to expose

CO1: Ability to gain knowledge on Data science process

CO2: Ability to Learn about Running the R Program

CO3: Ability to learn about Working with R Objects

CO4: Ability to understand big data analytic processes

CO5: Ability to understand Hadoop Distributed File System.

Relationship Matrix Course Outcome, Programme Outcomes and Programme Specific Outcome

SEMESTER		COURSE	E CODE:20	PCS41			CO	URSE TIT	LE:		HOURS:	CREDIT
IV						Da	ta Science	and Big I	ata Analy	tics	4	S:
												3
COURSE OUTCOME PROGRAMME OUTCOME(PO) PROGRAMME SPECIFIC OUTCOME(E(PSO)		CORE OF		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	4	4	4	4	4	4	5	3	2	5	3	.9
CO2	4	4	4	4	4	4	5	4	3	5	4	.1
CO3	4	4	4	4	4	4	5	4	3	5	4	.1
CO4	4	4	4	4	4	4	5	3	3	5	4	.0
CO5	4	4	4	4	4	4	5	3	2	5	3	.9
	Score Mean Overall											

Result: The Score of this Course is 4.0(High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%	
Scale	1	2	3	4	5	
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5	
Rating	Very Poor	Poor	Moderate	High	Very High	

This Course is having **High** association with Programme Outcome and Programme Specific Outcome

UNIT –I [12 Hrs]

INTRODUCTION TO DATA SCIENCE: Data science process – data science project roles - stages in data science project – exploring data - build a model - using summary statistics to spot problems - invalid information - the summary command - typical problems revealed by data summaries - missing values - missing a few values - invalid values and outliers - examples of invalid values - examples of outliers - outliers - decision on missing values and outliers - data range

UNIT- II [11 Hrs]

INTRODUCTION TO R: Getting the Hang of R - Running the R Program - Finding Your Way with R - Command Packages - Some Simple Math - Reading and Getting Data into R - Viewing Named Objects - Types of Data Items - The Structure of Data Items - Working with History Commands - Saving Your Work in R - reading data from files

UNIT- III [12 Hrs]

WORKING WITH R OBJECTS: Manipulating Objects - Manipulating Vectors - Manipulating Matrix and Data Frames - Manipulating Lists - Viewing Objects within Objects - Constructing Data Objects - Forms of Data Objects: Testing and Converting - Convert a Matrix to a Data Frame - Convert a Data Frame into a Matrix - Convert a Data Frame into a List - Convert a Matrix into a List

UNIT -IV [13 Hrs]

INTRODUCTION TO BIG DATA – Challenges of Conventional Systems – Structured vs Unstructured Data - Five Vs of Big Data - Big data analytic processes - Ingesting data into the system - Persisting the data in storage - Computing and Analyzing data – batch processing and stream processing - Visualizing the results – Big data tools – APACHE FLUME – APACHE SQOOP- Introduction to NOSQL and its types

UNIT- V [12 Hrs]

INTRODUCTION TO HADOOP AND SPARK: Hadoop – Components of Hadoop – Hadoop Distributed File System (HDFS) – HDFS architecture – Read and Write operations in HDFS - MAP Reduce - Understanding the Map Reduce architecture - Executing the Map phase - Shuffling and sorting - Reducing phase execution - Introduction to data analysis with spark.

TEXT BOOKS:

- 1. "Practical Data Science with R", Nina Zumel, John Mount- Manning Publications, 2014.
- 2. "Mining of Massive Datasets", Jure Leskovec, Anand Rajaraman, Jeffrey D. Ullman-
- 3. Cambridge University Press, 2014.
- 4. "Beginning R The Statistical Pr ogramming Language", Mark Gardener, John Wiley & Sons-Inc., 2012
- 5. "Understanding Big data", Chris Eaton, Dirk deroos et al. -McGraw Hill, 2012.
- 6. "HADOOP: The definitive Guide", Tom White, O Reilly 2012.

REFERENCE BOOKS:

- 1. "Spark The Definitive Guide", Bill Chambers and Matei Zaharia, 2018, O'Reilly Media, Inc, USA, ISBN10 1491912219, ISBN13 9781491912218
- 2. "Learning Spark Lightning-Fast Data Analysis", Holden Karau, Andy Konwinski, Patrick Wendell & Matei Zaharia, ISBN-13: 978-1449358624, ISBN-10: 1449358624, O'Reilly, 2015
- 3. "Advanced Analytics with Spark: Patterns for Learning from Data at Scale ", Josh Wills, Sandy Ryza, Sean Owen, and Uri Laserson 2nd Edition, O'Reilly, 2016

II-MSC (CS)	MODILE ADDITION DEVELODMENT	20PCS42
SEMESTER – IV	MOBILE APPLICATION DEVELOPMENT For the students admitted from the year 2020	HRS/WK – 4
CORE –13	For the students admitted from the year 2020	CREDIT – 4

Objectives:

- * This course introduces students to understand various aspects of Mobile Network Architecture.
- ❖ At the end of the course, students should have an understanding of the Android for mobile apps development
- Students should also become aware of the Hardware Design Consideration, Design Demands for Android application.

COURSE OUTCOMES (COs):

- **CO1:** Essential knowledge on Mobile Network Architecture
- CO2. Learn the working environment functions for hardware and software related
- **CO3**. Learn about the Design patterns for mobile applications
- **CO4**. Acquired an idea about Environment setup for Android apps Development
- **CO5.** Understood the Basic operation of SQLite Database.

Relationship Matrix Course Outcome, Programme Outcome and Programme Specific outcome

SEMESTER IV		COURSE CODE:20PCS42 COURSE TITLE: MOBILE APPLICATION DEVELOPMENT						PMENT	HOURS:	CRE4ITS:		
COURSE OUTCOME	PRO	GRAM	ме о	JTCOM	E(PO)	PROG	RAMME	SPECIFI	MEAN SCORE OF CO			
OUTCOME	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	4	4	5	5	4	4	4	4	3	3	4.0	
CO2	4	4	3	4	4	4	4	3	3	4	3.7	
CO3	4	4	3	3	4	4	4	3	4	4	3.9	
CO4	4	4	3	3	4	4	4	3	4	4	3.7	
CO5	4	3	4	4	3	4	4	3	4	4	3.7	
	Mean Overall Score											

Result: The Score of this Course is 3.8(High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%	
Scale	1	2	3	4	5	
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5	
Rating Very Poor		Poor	Moderate	High	Very High	

This Course is having **High** association with Programme Outcome and Programme Specific Outcome

UNIT- I [12 Hrs]

MOBILE NETWORK ARCHITECTURE: Mobile Device Architecture - Mobile Application Development - Mobile Web Applications - Business Communication

UNIT- II [12 Hrs]

DESIGN CONSTRAINTS FOR MOBILE APPLICATIONS: Both hardware and software related – Architecting mobile applications – User interfaces for mobile applications – touch events and gestures.

UNIT- III [12 Hrs]

DESIGNING APPLICATIONS: Designing applications with multimedia and web access capabilities – Integration with GPS and social media networking applications – Accessing applications hosted in a cloud computing environment – Design patterns for mobile applications.

UNIT- IV [12Hrs]

OVERVIEW OF ANDROID: What does Android run On – Android Internals-Android for mobile apps development - Environment setup for Android apps Development - Framework - Android- SDK, Eclipse - Emulators – What is an Emulator / Android AVD? - Android Emulation – Creation and set up - First Android Application

UNIT- V [12 Hrs]

SIMPLE UI -LAYOUTS AND LAYOUT PROPERTIES: Introduction to Android UI Design, Introducing Layouts - Event driven Programming in Android (Text Edit, Button clicked) - Activity Lifecycle of Android - Menu: Basics, Custom versus System Menu - Basic operation of SQLite Database

TEXT BOOKS:

- 1. "Architecting Mobile Solutions for the Enterprise", Dino Esposito-Microsoft press, 2015
- 2. "Professional Mobile Application Development", Jeff Mcwherter, Scott Gowell, -Wiley India Pvt Lt, 2014

REFERENCE BOOK:

1. "Mobile Application Penetration Testing Paperback" Vijay Kumar Velu – Import, 11 Mar 2016,

II-MSC (CS)	
SEMESTER – IV	E ₀ ,
PRACTICAL-VI	For

ANDROID APPLICATION For the students admitted from the year 2020

20PCSP46 HRS/WK - 5 CREDIT - 3

Objectives:

- ❖ This course introduces students to Learn basics of Android Application.
- ❖ At the end of the course, students should have an understanding of Android Application and its various importance of Research Application.
- ❖ Students will also be aware of the utilization of Android Application in building dynamics of Knowledge.

COURSE OUTCOMES (COs):

- **CO1:** Essential knowledge on Alert Dialogue in Android.
- **CO2.** Learn the Basics of Face book Integration concepts.
- CO3. Acquire the fundamental knowledge on building Image Effects in Android.
- CO4. Develop an idea about Navigation in Android.
- CO5. Understand and develop Research Application using Android.

Relationship Matrix Course Outcome, Programme Outcome and Programme Specific outcome

SEMESTER IV			JRSE C 20PCSI	-		COURSE TITLE: ANDROID APPLICATION					HOURS:	CREDITS:	
COURSE OUTCOME PROGRAMME OUTCOME(PO) PROGRAMME SPECIFIC OUTCOME(PSO)								ME(PSO)	MEAN SCORI	E OF CO			
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5			
CO1	4	4	5	5	4	4	4	4	3	3	4.0		
CO2	4	4	3	4	4	4	4	3	3	4	3.7		
CO3	4	4	3	3	4	4	4	3	4	4	3.9		
CO4	4	4	3	3	4	4	4	3	4	4	3.7		
CO5	4	3	4	4	3	4	4	3	4	4	3.7		
	Mean Overall Score												

Result: The Score of this Course is 3.8(High)

Association	1%-20%	21%-40%	61%-80%	81%-100%		
Scale	1	2	3	4	5	
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5	
Rating Very Poor		Poor	Moderate	High	Very High	

This Course is having **High** association with Programme Outcome and Programme Specific Outcome

ANDROID APPLICATION

- 1. Develop an Application for an Alert box in Android
- 2. Design an Application for Representing a Simple Calculator
- 3. Develop an Application for working with Menus and Screen Navigation.
- 4. Write Android code for Time Picker Control.
- 5. Write Android code for Creating an Image Slider.
- 6. Write Android code for Login control in web pages.
- 7. Develop an application for working with Google Map.
- 8. Design a simple Application using SQL Lite.

WEB REFERENCES:

- 1. https://zetcode.com/mob/android
- 2. https://developer.android.com/studio/write/sample-code
- 3. https://www.javatpoint.com/android-tutorial

UG (NME)	DESIGNING USING GIMP	4NCADG
SEMESTER -III	(Offered by BCA Dept. for the students admitted	HRS/WK-3
NME	from the year 2020 onwards)	CREDIT-2

UNIT-I:

Getting Started with GIMP-Learning the Basics-Getting around GIMP-The GIMP Toolbox-Basic GIMP Techniques

UNIT-II:

Mixing Colors in GIMP-Cutting out An Image Using GIMP-Using the Quick Mask In GIMP

UNIT-III:

Understanding Layer Masks in GIMP-Use GIMP Layers to Create Amazing Photos-Work with Paths in GIMP-Mastering GIMP Filters-Controlling Lighting & Shade in GIMP

UNIT-IV:

Colorize a Black and White Photo with GIMP-Photo Retouching with GIMP-Creating a Custom Brushes in GIMP-Introduction to GIMP Animation

UNIT-V:

Using the Cage Transform Tool in GIMP-Introduction to GIMP Scripting-A Collection of GIMP Text Effects

TEXT BOOK:

Beginning Photo Retouching & Restoration Using GIMP, Phillip Whitt, ISBN-13: 978-1-484204-04-7, Paperback (308pp.), EPUB, MOBI, DF, Publisher / Date: Apress / 2014, Website: http://www.apress.com/9781484204047

REFERENCE BOOKS:

- 1. The Book of GIMP, Olivier Lecarme, KarineDelvare, ISBN-13: 978-1-59327-383-5, Paperback, 67 6pp, No Starch Press/2013- http://nostarch.com/gimp.
- 2. How to GIMP, Kat Landreth, PDF ebook, Self-published / May 2013, http://howtogimp.com/gimp-book/

YEAR-I	MANAGEMENTINFORMATION SYSTEMS	18EPIT14A
SEMESTER-I		HRS/WK-5
ELECTIVE-I(2)		CREDIT-5

Objective:

To understand the concepts of Management Information Systems and their Applications.

Course Outcomes:

At the end of the Course the students should be able to exhibit

CO1: Basic Knowledge pertaining to Information Systems

CO2: Knowledge pertaining to Business Operations.

CO3: Managing ability pertaining to Information Technology.

CO4: Knowledge pertaining to ERP.

CO5: Implementing ability of ERP package.

SEMESTER I	COURSECODE:18EPIT14A					TITLEOFTHEPAPER:MANAGEMENTINFORM ATIONSYSTEMS				HOURS:5	CREDITS: 5		
COURSE	PROC	GRAMN	MEOUT	COMES	5(PO)	PRO	PROGRAMMESPECIFICOUTCOMES(PSO)				MEANSCOR	EOFCO'S	
OUTCOMES	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5			
CO1	4	4	4	4	3	3	3	3	5	4	3.7	0	
CO2	4	4	4	4	4	3	3	3	5	3	3.7	0	
CO3	3	3	4	4	4	3	3	3	4	3	3.4	0	
CO4	3	3	4	4	4	3	3	3	4	3	3.40		
CO5	3	3	4	4	3	3	3	3	4	4	3.40		
	MeanOverall Score										3.5	5	

This Course is having **HIGH** association with Programme Outcomes and Programme Specific Outcomes.

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	VeryPoor	Poor	Moderate	High	VeryHigh

UNIT -I [15Hrs]

Introduction to information systems (IS): why study IS- why business need information technology(IT)—fundamentalsofISconcepts—overviewofIS—solvingbusinessproblemswithIS — developing IS solutions.

UNIT -II [15Hrs]

Information systems for business operations: Business IS – marketing, manufacturing, human resource, accounting and financial information systems – transaction processing system – management information and decision support systems.

UNIT -III [15Hrs]

Managing information technology: Managing information resource and technologies – global IT management – planning and implementing business change with IT.

UNIT -IV [15Hrs]

Enterprise Resource Planning (ERP): an overview – benefits of ERP – ERP and related technologies –businessprocessreengineering–datawarehousing –datamining–online analytical processing – supply chain management.

UNIT -V [15Hrs]

ERPimplementation:ERPimplementationlifecycle–implementationmethodology–hiddencost – organizingtheimplementation–vendors,consultantsanduserscontractswithvendors,consultants and employees project management and monitoring – ERP present and future – turbo change the ERP systems – enterprise integration applications – ERP and E-commerce – ERP and Internet.

TEXT BOOK:

1. James A O'Brien, Management Information Systems for managing IT in the Internet worked Enterprise, 4th Edition, Tata McGraw Hill, New Delhi, 1999.

REFERENCEBOOKS:

 Alexis Leon ,ERP Demystified,McGrawHillEducation.
 W. S. Jawadekar, Management Information Systems: A Global Digital Enterprise Perspective, McGraw Hill Education.

SEMESTER-I		HRS/WK-5
ELECTIVE-II(2)	BIG DATA ANALYTICS	CREDIT-5

Objective:

To impart knowledge about Big Data Analytics and Hadoop.

Course Outcomes:

At the end of the Course the students should possess

CO1: Proficiency in basics of Big Data.

CO2: Proficiency in basics of Hadoop.

CO3: Knowledge pertaining to Hadoop architecture.

CO4: Proficiency in Hadoop Ecosystem and Yarn

CO5: Proficiency in Hive and HiveQL, HBASE.

SEMESTERI I	COURSECODE:18EPIT24A				TITLEOFTHEPAPER:BIGDATAANALYTICS				HOURS:5	CREDITS:5			
COURSEO	-				S(PO)	PROGRAMMESPECIFICOUTCOMES(PSO)					MEANSCOR	EOFCO'S	
UTCOMES	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5			
CO1	4	4	4	4	4	4	4	4	4	4	4	ı	
CO2	3	3	3	3	3	3	3	3	3	3	3		
CO3	3	3	3	3	3	3	3	3	3	3	3		
CO4	4	4	4	4	4	4	4	4	4	4	4		
CO5	3	3	3	3	3	3	3	3	3	3	3		
	MeanOverall Score										3.	4	

 $This Course is having \mbox{\bf HIGH} association with Programme Outcomes and Programme Specific Outcomes. \\$

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	VeryPoor	Poor	Moderate	High	VeryHigh

UNIT -I [15 Hrs]

INTRODUCTION TO BIG DATA: Introduction – distributed file system – Big Data and its importance, Four Vs, Drivers for Bigdata, Bigdata analytics, Bigdata applications. Algorithms using map reduce, Matrix-Vector Multiplication by Map Reduce.

UNIT -II [15 Hrs]

INTRODUCTIONHADOOP:BigData—ApacheHadoop&HadoopEcoSystem—MovingData in and out of Hadoop — Understanding inputs and outputs of MapReduce - Data Serialization.

UNIT -III [15 Hrs]

HADOOP ARCHITECTURE: Hadoop Architecture, Hadoop Storage: HDFS, Common Hadoop Shell commands, Anatomy of File Write and Read., NameNode, Secondary NameNode, and DataNode, Hadoop MapReduceparadigm, MapandReducetasks, Job, Tasktrackers-ClusterSetup - SSH & Hadoop Configuration - HDFS Administering - Monitoring & Maintenance.

UNIT -IV [15 Hrs]

HADOOP ECOSYSTEM AND YARN: Hadoop ecosystem components - Schedulers - Fair and Capacity, Hadoop 2.0 New Features Name Node High Availability, HDFS Federation, MRv 2, YARN, Running MRv 1 in YARN.

UNIT -V [15 Hrs]

HIVE AND HIVEQL, HBASE: Hive Architecture and Installation, Comparison with Traditional Database, HiveQL - Querying Data - Sorting And Aggregating, Map Reduce Scripts, Joins & Subqueries, HBase concepts Advanced Usage, Schema Design, Advance Indexing - PIG, Zookeeper

- how it helps in monitoring a cluster, HBase uses Zookeeper and how to Build Applications with Zookeeper.

TEXT BOOK:

1. Boris lublinsky, Kevin t. Smith, Alexey Yakubovich, Professional Hadoop Solutions, Wiley, 2015.

REFERENCEBOOKS:

- 1. ChrisEaton, Dirkderoos et al., Understanding Bigdata, McGraw Hill, 2012.
- 2. TomWhite, HADOOP: The definitive Guide, O Reilly 2012. 6IT 2015 SRM (E&T).
- 3. VigneshPrajapati,BigDataAnalyticswithR and Haoop,PacketPublishing 2013.
- 4. TomPlunkett,BrianMacdonaldetal,Oracle BigDataHandbook,Oracle Press,2014.
- 5. http://www.bigdatauniversity.com
- 6. JyLiebowitz, BigDataandBusiness Analytics, CRC press, 2013.

YEAR-I		18EPIT33A
SEMESTER-I	ETHICAL HACKING	HRS/WK-5
ELECTIVE-III(2)		CREDIT-5

Objectives:

To make the students understand the basic principles, instrumentation and applications of Ethical Hacking.

Course Outcomes:

At the end of the Course the students should possess

CO1: Knowledge pertaining to Basics of Information Security.

CO2: Proficiency in Hacking.

CO3: Proficiency in Attacks in Information Highway.

CO4: Proficiency in Security Defenses in Information Highway.

CO5: Knowledge pertaining to Ethical Hacking.

SEMESTER III	COURSECODE:18EPIT33A				TITLEOFTHEPAPER:ETHICAL HACKING				HOURS:5	CREDITS:5		
						OGRAMME	GRAMMESPECIFICOUTCOMES(PSO)				EOFCO'S	
COMES	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	3	3	3	3	3	3	3	3	3	3	3	
CO2	3	3	3	3	3	3	3	3	3	3	3	
CO3	3	3	3	3	3	3	3	3	3	3	3	
CO4	3	3	3	3	3	3	3	3	3	3	3	
CO5	4	4	4	4	4	4	4	4	4	4	4	
	Mean Overall Score										3.2	?

This Course is having **HIGH** association with Programme Outcomes and Programme Specific Outcomes.

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	VeryPoor	Poor	Moderate	High	VeryHigh

UNIT -I [15 Hrs]

Introduction: Data Theft in Organizations, Elements of Information Security, Authenticity and NonRepudiation, Security Challenges, Effects of Hacking, Hacker – Types of Hacker, Ethical Hacker, Hacktivism - Role of Security and Penetration Tester, Penetration Testing Methodology, Networking & Computer Attacks – Malicious Software (Malware), Protection Against Malware, IntruderAttacksonNetworksandComputers, AddressingPhysicalSecurity—KeyLoggersandBack Doors.

UNIT -II [15 Hrs]

Hacking: Web Tools for Foot Printing, Conducting Competitive Intelligence, Google Hacking, Scanning, Enumeration, Trojans&Backdoors, Virus&Worms, Proxy&PacketFiltering, Denial of Service, Sniffer, Social Engineering – shoulder surfing, Dumpster Diving, Piggybacking.

UNIT -III [15 Hrs]

Attacks: Physical Security – Attacks and Protection, Steganography – Methods, Attacks and Measures, Cryptography – Methods and Types of Attacks, Wireless Hacking, Windows Hacking, LinuxCryptography – Methods and Types of Attacks, Wireless Hacking, Windows Hacking, Linux Hacking

UNIT -IV [15 Hrs]

Security Defenses: Routers, Firewall & Honeypots, IDS & IPS, Web Filtering, Vulnerability, Penetration Testing, Session Hijacking, Web Server, SQL Injection, Buffer Overflow, Reverse Engineering, Email Hacking, Incident Handling & Response, Bluetooth Hacking, Mobile Phone Hacking.

UNIT -V [15 Hrs]

Ethical Hacking - Terminologies: Social Engineering, Host Reconnaissance, Session Hijacking, Hacking - Web Server, Database, Password Cracking, Network and Wireless, Trojan, Backdoor, UNIX, LINUX, Microsoft, Buffer Overflow, Denial of Service Attack.

TEXT BOOK:

1. Patrick Engebretson, The Basics of Hacking and Penetration Testing: Ethical Hacking and Penetration Testing Made Easy, Syngress Basics Series–Elsevier, 2011.

REFERENCEBOOKS:

- 1. MichaelT. Simpson, KentBackman, James E. Corley, Hands On Ethical Hacking and Network Defense, Second Edition, CENGAGE Learning, 2010.
- 2. Abraham K. White, The Underground Guide to Computer Hacking, Including Wireless Networks, Security, Windows, Kali Linux and Penetration Testing, CreateSpace Independent Publishing Platform.

YEAR-II		18EPIT34A
SEMESTER-III	ARTIFICIALINTELLIGENCE	HRS/WK-5
ELECTIVE-IV(2)		CREDIT-5

Objective:

To Study the concepts of Artificial Intelligence and methods of solving problems using Artificial Intelligence.

Course Outcomes:

At the end of the Course the students should possess

CO1: Knowledge pertaining to Basics of Artificial Intelligence.

CO2: Proficiency in Heuristic Search Techniques.

CO3: Proficiency in Using Predicate logic.

CO4: Proficiency in Natural Language Processing.

CO5: Knowledge pertaining to Perception and Action.

SEMESTERI II	COURSECODE:18EPIT34A					TITLEOFTHEPAPER:ARTIFICIALINTELLIGENCE					HOURS:5	CREDITS:5	
COURSEO	PROGRAMMEOUTCOMES(PO)					PRC	GRAMME	MEANSCOR	EOFCO'S				
UTCOMES	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5			
CO1	3	3	3	3	3	3	3	3	2	3	2.9	0	
CO2	3	3	3	3	3	3	3	3	2	3	2.90		
CO3	3	4	4	3	3	3	3	3	2	3	3.1	0	
CO4	3	3	3	3	3	3	3	3	2	3	2.9	0	
CO5	4	4	4	4	4	4	4	4	2	4	3.8	0	
	MeanOverall Score										3.1	1	

This Course is having **HIGH** association with Programme Outcomes and Programme Specific Outcomes

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	VeryPoor	Poor	Moderate	High	VeryHigh

UNIT -I [15 Hrs]

Introduction to Artificial Intelligence: The AI problems – The underlying Assumption – What is an AI technique? – The level of the model – Criteria for success – Problems, Problem spaces and Search: Defining the problem as a state space search–production systems–problem characteristics – production system characteristics – Issues in the design of search programs.

UNIT -II [15 Hrs]

Heuristic Search Techniques: Generate and test–Hill Climbing–Best First Search(A*Search)– Problem Reduction (AO * Algorithm) – Constraint Satisfaction – Means-Ends Analysis – Knowledge Representation Issues: Representation and Mappings – Approaches to Knowledge Representation – Issues in Knowledge Representation.

UNIT -III [15 Hrs]

Using Predicate logic: Representing simple facts in logic – Representing Instance and ISA Relationships – Computable functions and Predicates – Resolution – Natural Deduction - Representing knowledge using Rules: Procedural versus Declarative knowledge – Logic programming – Forward versus Backward Reasoning.

UNIT -IV [15 Hrs]

NaturalLanguageProcessing:Introduction—Syntacticprocessing—SemanticAnalysis—Learning: What is Learning? — Rote Learning — Learning from Examples: Induction — Explanation based Learning — Discovery — Analogy — Formal Learning theory — Neural net learning and Genetic learning.

UNIT -V [15 Hrs]

Perception and Action: Real time search—Perception—Action—Robot Architectures—Case study on Robot Architecture.

TEXT BOOK:

1. Elaine Rich, Kevin Knight, Artificial Intelligence, Tata Mc Graw Hill, Second Edition.

REFERENCEBOOKS:

- 1. Elaine Rich, Artificial Intelligence, McGraw Hill International Editions, 1983.
- 2. Patrick Henry Winston, Artificial Intelligence, Third Edition, Addison-Wesley.

ST. JOSEPH'S COLLEGE OF ARTS & SCIENCE (AUTONOMOUS) CUDDALORE-1



PG AND RESEARCH DEPARTMENT OF COMMERCE

SYLLABUS 2020 -2023

I B.COM		21AECM11
SEMESTER - I	BUSINESS ECONOMICS - I	HRS/WK – 5 TOTAL 75 HRS
ALLIED -I		CREDIT -3

Objective:

- 1. To equip the students with basic knowledge on the principles of business economics.
- 2. To impart knowledge of Demand forecasting, Factor pricing & Pricing in competitive markets

Course Outcomes:

At the end of the Course the students will be able to exhibit

CO1: Understands the Meaning, Definitions of Economics, Business Economics & their relationship

CO2: Knowledge about Demand & Elasticity of Demand

CO3: Understands the concept Demand Forecasting & methods to Forecast

CO4: Knowledge about factors of production features & Laws of production

CO5: Understands Various Cost Concepts & Revenue Concepts.

Relationship Matrix Course Outcomes, Programme Outcomes and Programme Specific Outcomes

SEMESTER-I	COURSE CODE:21AECM11				COURSE TITLE: BUSINESS ECONOMICS - I				HOURS:5	CREDITS:4
COURSE OUTCOMES	PROGRAMME OUTCOMES(PO)				PR		ME SPEC MES(PSO	MEAN SCORE OF CO'S		
	PO	PO	PO	PO	PSO1	PSO2	PSO3	PSO4		
	1	2	3	4						
CO1	4	4	4	4	4	4	4	4		4
CO2	5	5	5	5	5	5	5	5		5
CO3	4	4	4	4	5	5	5	5	4.5	
CO4	4	4	4	4	4	4	4	4	4	
CO5	5	5	5	5	5	5	5	5	5	
	Mean Overall Score									

Result: The Score of this Course is 4.5 (Very High)

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

This Course is having **Very High** association with Programme Outcome and Programme Specific Outcome.

UNIT I: Business Economics: Introduction

(15 Hrs)

Business Economics-Meaning -Definition-Nature & Scope of Business Economics- Relationship of Business Economics and other disciplines-Objectives of Business Firm-Business Decision Making Process.

UNIT II: Demand Analysis & Elasticity of Demand

(15 Hrs)

Demand -Meaning-Definition-Factors Influencing Demand -Law of Demand - Exceptions to the Law of Demand - Elasticity of Demand - Importance of Elasticity of Demand-Types of Elasticity of Demand.

UNIT III: Demand Forecasting

(15 Hrs)

Demand Forecasting -Meaning-Objectives of Demand Forecasting-Types of Forecasting-Methods of Demand Forecasting-Survey Method-Consumer survey Method-Expert opinion method- Statistical Methods-Trend Projection-Criteria of a good forecasting method-Forecasting Demand for New Products.

UNIT IV: Theory of Production

(15 Hrs)

Introduction-Factors of Production-Production Function –Importance of Production Function –The Cobb-Douglas Production Function – The Law of Variable Proportions – The Law of Returns to Scale.

UNIT V: Cost and Revenue

(15 Hrs)

Cost concepts -Short Run Cost curves -Marginal Cost, Average Cost-Total Cost -Total Fixed Cost, and Total Variable Cost –Relationship between Average cost & Marginal cost-U-Shaped Long Run Average Cost Curve-L-Shaped Long-run Average Cost Curve-Concept of Revenue-Average Revenue & Marginal Revenue.

TEXT BOOKS::

- 1. K.P.M.Sundaram, Business Economics, Sultan Chand and Sons, New Delhi.
- 2. H.L.Ahuja, Business Economics, Sultan Chand and Sons, New Delhi
- 3. Aryamala, Business Economics, Vijay Nicole Imprints Private Limited, Chennai

REFERENCE BOOKS:

- 1. Lipsey, Richard, G.,1969, Introduction to Positive Economics, English Language Book Society and Weidenfeld and Nicolson, London.
- 2. K.K.Dewett, Modern Economic Theory, S.Chand & Company LTD, New Delhi
- 3. Samuelson, Paul Anthony and William D. Nordhaus, 1998, Economics, Ed. 6, New Delhi: Tata McGraw Hill Publishing Company Ltd.New Delhi.
- 4. Hal R. Varian, Inter Mediate Micro Economics: A Modern Approach, W. W. Norton and Company, New York.
- 5. Gardner Ackley, Micro Economics, The Macmillan Co, New York.

Journals for Reference

- 1. Journal of Applied Economics.
- 2.International Journal of the Economics of Business.

Websites for Reference

http://www.yahoo.com/socialscience/economics/infoseek-economics www.sciencedirect.com;

Question Paper Pattern

Time: 3 hours Marks: 75

> Part - A : $(10 \times 2 = 20 \text{ marks})$ All the questions are to be answered

> Part – B: $(5 \times 5 = 25 \text{ marks})$ Five questions with internal choice. (Either or pattern)

Part – C: $(3 \times 10 = 30 \text{ marks})$ Three out of five with open choice

Note: Questions should be asked from all the UNITs with equal weightage.

I - B. COM		21AECM22
SEMESTER - II	BUSINESS ECONOMICS - II	HRS/WK – 5
SEMESTER - II	DUSINESS ECONOMICS - II	TOTAL 75 HRS
ALLIED -II		CREDIT –4

Objective:

- 1. To understand the behaviour of Firms in different Market competitions and Factor Pricing.
- 2. To help the students understand the nature of capital budgeting.

Course Outcomes:

At the end of the Course the students should be able to exhibit the following

CO1: Understands the Market structure, Output & Price determination in Perfect Competitions & Role of Time in a Perfect market.

CO2: Understands different Imperfect Market competitions, Output & Price determination in Imperfect Competitions.

CO3: Get knowledge about Marginal productivity theory in Factor pricing.

CO4: Knowledge about how Interest & profit is determined.

CO5: Understands the importance of Capital Budgeting.

Relationship Matrix Course Outcomes, Programme Outcomes and Programme Specific Outcomes.

SEMESTER-II	C		E COD CM22	E:	COURSE TITLE: BUSINESS ECONOMICS - II				HOURS:5	CREDITS:4
COURSE OUTCOMES	PROGRAMME OUTCOMES(PO)				PROGRAMME SPECIFIC OUTCOMES(PSO)				MEAN SCORE OF CO'S	
	PO	PO	PO	PO	PSO1	PSO2	PSO3	PSO4		
	1	2	3	4						
CO1	5	5	5	5	5	5	5	5		5
CO2	4	4	4	4	5	5	5	5	4	4.5
CO3	5	5	5	5	5	5	5	5	5	
CO4	4	4	4	4	4	4	4	4	4	
CO5	4	4	4	4	4	4	4	4	4	
	•	•	Mean	Overa	ll Score		•	•	4	4.5

Result: The Score of this Course is 4.5 (Very High)

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome.

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Meaning of Market-Classification of market Structure-Perfect Competition-Features-Price determination under Perfect Competition-Short Run & Long Run Equilibrium of the Firm and Industry –Time Element in price determination.

UNIT II: Market Structure: Pricing under Imperfect Competition (

(15 Hrs)

Monopoly-Features-Price Discrimination-Monopolistic Competition- Features – Price & Output determination under Monopolistic Competition- Selling Cost –Wastages of Monopolistic Competition-Oligopoly – Sweezy Model – Collusion and Price Leadership-Duopoly-Cournot Model.

UNIT III: Theory of Factor Pricing-1

(15 Hrs)

Marginal Productivity Theory of Distribution- Theories of Rent- Ricardian Theory, Modern Theory and Quasi Rent -Theories Of Wages- Iron Law of Wages , Wage Fund Theory.

UNIT IV: Theory of Factor Pricing- 2

(15 Hrs)

Theories of Interest: Loanable Fund Theory, Liquidity Preference Theory-Theories of Profit: Dynamic Theory, Uncertainty Theory and Innovation Theory.

UNIT V: Capital Budgeting

(15 Hrs)

Capital Budgeting-Meaning-Definition-Features of Capital Budgeting-Need for Capital Budgeting - Importance of Capital Budgeting - Forms of Capital Budgeting - Nature of Capital Budgeting Problem-Demand for Capital-Supply of Capital-Capital Rationing.

TEXT BOOKS:

- 1. K. P. M. Sundaram, Business Economics, Sultan Chand and Sons, New Delhi.
- 2. H.L. Ahuja, Business Economics, Sultan Chand and Sons, New Delhi
- 3. T. Aryamala, Business Economics, Vijay Nicole Imprints Private Limited, Chennai

REFERENCE BOOKS:

- 1. Lipsey, Richard, G., 1969, Introduction to Positive Economics, English
- 2. Language Book Society and Weidenfeld and Nicolson, London.
- 3. K.K.Dewett, Modern Economic Theory, S.Chand & Company LTD, New Delhi
- 4. Samuelson, Paul Anthony and William D. Nordhaus, 1998, Economics, Ed.6, New
- 5. Delhi: Tata McGraw Hill Publishing Company Ltd. New Delhi.
- 6. Gardner Ackley, Micro Economics, The Macmillan Co, New York.

Journals for Reference

- 1. Journal of Applied Economics.
- 2. International Journal of the Economics of Business.

Websites for Reference

http://www.yahoo.com/socialscience/economics/infoseek-economics www.sciencedirect.com;

Question Paper Pattern

Time: 3 hours Marks: 75

Part - A : $(10 \times 2 = 20 \text{ marks})$ All the questions are to be answered

Part – B: $(5 \times 5 = 25 \text{ marks})$ Five questions with internal choice. (Either or pattern)

Part – C: $(3 \times 10 = 30 \text{ marks})$ Three out of five with open choice

Note: Questions should be asked from all the **UNIT**s with equal weightage.



III – BBM	ENTREPRENEURIAL DEVELOPMENT	CODE: 20BM503
SEMESTER -V	For the students admitted in the year 2019	HRS/WK – 6
CORE- 11		CREDIT -

Objectives

- To enable the students in the entrepreneurial skills Development.
- To motivate the students to become an entrepreneur.

UNIT-I:INTRODUCTION

Entrepreneurship – Definition, Role and expectations – Entrepreneurial styles and types – Characteristics of the Entrepreneur – Functions of an Entrepreneur – Promotion of Entrepreneurship – Role of Socio-Cultural, Economic and Political Environment – Growth of Entrepreneurship in Pre and Post independence era – Constraints for the Growth of Entrepreneurial Culture.

UNIT- II:NEW VENTURE

Meaning – Promoting new venture – Sources of Business ideas – Idea Generation Techniques – Project Identification – Project Selection – Procedure to start a new venture. Project – Meaning – Types – Formulation of Project report - Project Appraisal – Network Analysis.

UNIT - III MSMEs

Introduction - Classification - Characteristics - Objectives - Advantages & Disadvantages - Role, Importance of MSME's in developing countries - Problems - Steps for starting MSMEs - Government regulatory framework for MSMEs - Measures taken by the government for the promotion of MSMEs.

UNIT - IV: INSTITUTIONAL ASSISTANCE AND SUBSIDIES

Institutional service to entrepreneurs - DIC, SIDCO, NSIC, MSMEDI - SSIC, SIDCO - ITCOT, IIC - KVIC. Institutional finance to entrepreneurs: IFCI -SFC, IDBI, ICICI, TIIC, LIC and GIC, UTI, SIPCOT - SIDBI commercial Bank.Incentives and Subsidies - Meaning - Needs - Incentives and Subsidies available to Entrepreneurs .

UNIT - V: WOMEN ENTREPRENEURSHIP

Women Entrepreneurship – Need – Growth of women Entrepreneurship – Problems faced by Women Entrepreneurs – Development of women Entrepreneurship – Entrepreneurship in Informal Sector – Rural Entrepreneurship – Entrepreneurship in Sectors like Agriculture, Tourism, health case, Transport and allied services.

Text Books:

1. Dr.S.S.Khanka, Entrepreneurial Development, Sultan Chand Company Ltd.

2. C.B. Gupta&N.P. Sreenivasan: Entrepreneurial Development, Sultan Chand.

Reference Books:

- 1. PoornimaM.Charantimath ,Entrepreneurship Development & Small Business Enterprises Second Edition, , Pearson
- 2. Prasanna Chandra: Project Planning, Analysis, Selection, Implementation and Review, Tata McGraw Hill.
- 3. Vasantha Desai: Dynamics of Entrepreneurial Development, Himalaya.
- 4. P.Saravanavel, Entrepreneurial Development, Ess Pee kay Publishing House, Chennai 1997.
- 5. Mark. J. Dollinger, Entrepreneurship Strategies and Resources, Pearson Edition.

III-BBM	RISK MANAGEMENT FOR BANKS For the	CODE-20BM 502
SEMESTER - V		HRS/WK - 6
CORE – 10	students admitted in the year 2019	CREDIT - 5

OBJECTIVES

To learn about the various types of risks for Banks and to know about the Money Laundering Act.

UNIT I INTRODUCTION AND OVERVIEW

(15hrs)

Risk definition - BIS - Basel Committee - Basel I, II and III norms; Risk Process- Risk Organization - Types of Risk - Concept of ALM for Banks-ALCO

UNIT II CREDIT RISK

(20 hrs)

Definition - - Framework for risk management - RBI guidelines for risk management - Risk rating and risk pricing - Methods for estimating capital requirements - Credit risk - standardized approach and advanced approach - Credit rating /scoring

- Stress test and sensitivity analysis - Internal Capital Adequacy Assessment Process (ICAAP)

UNIT III OPERATIONAL RISK

(20 hrs)

Definition - RBI guidelines for Operational risk - Types of operational risk - Causes for operational risk - Sound Principles of Operational Risk Management (SPOR) -Key responsibilities of ORM; Capital allocation for operational risk.

UNIT IV FOREIGN EXCHANGE RISK

(15hrs)

Meaning –Causes- Types of foreign exchange risk –FEMA Act –Scope- Guidelines and Recent developments in FEMA.

UNIT V MONEY LAUNDERING ACT

(20hrs)

Meaning of Money Laundering – Process-Methods-Regulations of Money Laundering Act 2002 and 2017- Measures to prevent money laundering in India- Guidelines of Anti-Money Laundering Act in India.

TEXT BOOKS

- 1. RiskManagement,Indian Institute of Banking & Finance, Macmillan Publications India Private Limited,2010
- 2. The Prevention of Money Laundering Act 2002, Commercial Law Publisher (India) Pvt ltd.

REFERENCE BOOKS:

- 1. Foundations of Banking Risk: An Overview of Banking, Banking Risks, and Risk-Based Banking Regulation by GARP (Global Association of Risk Professionals).
- 2. MooradChoudhry, Bank Asset and Liability Management: Strategy, Trading, Analysis, Wiley Publishing.
- 3. John C. Hull, Risk Management and Financial Institutions, Pearson, 2009
- 4. Indian Institute Of Banking, Amp, Finance (IIBF), Risk Management, Macmillan Publishers India, 2010

III – BBM		CODE -20BM501
SEMESTER - V	INCOME TAX LAW AND PRACTICE	HRS/WK - 6
CORE - 9		CREDIT - 5

OBJECTIVE:

To enable the students to understand basic concepts and to compute the income of individuals under various heads of income

UNIT – I INTRODUCTION AND RESIDENTIAL STATUS (15 Hrs)

Concepts of Assessment Year, Previous Year, Person, Assessee, Income, Gross Total Income – Total Income – Residential status – Exempted Income – Agricultural Income (Theory Only).

UNIT – II INCOME FROM SALARIES

(20 Hrs)

Computation of Salary Income – Taxable Allowances, Perquisites and Profit in lieu of salary.

UNIT – III INCOME FROM HOUSE PROPERTY

(20 Hrs)

Computation of Income from House Property – Annual value – Deductions.

UNIT – IV PROFITS AND GAINS OF BUSINESS OR PROFESSION (20 Hrs)

Profits & Gains from business or Profession – Expressly allowed and disallowed – deductions – Depreciation – Block of assets.

UNIT – V CAPITAL GAINS AND INCOME FROM OTHER SOURCES (15 Hrs)

Income from Capital gains – deductions and exemptions – Income from other sources – Grossing up of interest – Deemed Income – Set off and Carry forward of Losses – Deductions u/s 80C to 80U.

TEXT BOOKS

- 1. Dr. A. Murthy, Income Tax Law and Practice, Vijay Nicole Imprints Private Limited, Chennai, 2021.
- 2. T. S. Reddy, Hari Prasad Reddy, Income tax law and practice, Margam Publications, Chennai, 2021.

REFERENCE BOOKS

- 1. Dr. Vinod K Singhania—Monica Singhania, Students Guide To Income Tax, Taxmann Publications, New Delhi, 2021.
- 2. Dr. H. C. Mehrotra, Income Tax Law & Practice, Sri Venkateswara Publication, Chennai, 2021.
- 3. Murthy . A, Income Tax Law & Practice, Vijay Nicole Publishers, 2021

ST. JOSEPH'S COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

CUDDALORE – 607001



DEPARTMENT OF BUSINESS ADMINISTRATION (CA) BOARD OF STUDIES

a. Business Administration (CA)

SYLLABUS

2020 - 2021

YEAR - II
SEMESTER - IV
GENERIC ELECTIVE-
II (A)

ENTREPRENEURIAL DEVELOPMENT (offered to Department of Commerce) From 2019 batch onwards

C	ODE – 19GCM42A
Н	OURS / WEEK - 5
C	REDIT - 4

Unit -I Introduction (20 Hrs.)

Entrepreneurship: Meaning- Nature-Importance-Theories- Entrepreneur: Meaning-Definition-Characteristics-Qualities-Types and Roles of an Entrepreneur-Entrepreneur vs. Intrapreneur-Factors Promoting an Entrepreneur - Women Entrepreneur: Concept and Definition - Problems of Women Entrepreneurs - Role of entrepreneurs in India's Economic Development

Unit -II Entrepreneurship Development Programmes

(15 Hrs.)

Meaning-Needs-Objectives —Course Contents and Curriculum-Phases of EDP-Problems and Constraints of EDP- Organizations providing Entrepreneurship Development Programmes.

Unit -III New Venture (20 Hrs.)

Meaning – Promoting New Venture – Sources of Business Ideas - Idea Generation Techniques-Project Identification-Project Selection. - Procedures to Start a New Venture- Project : Meaning- Typesformulation of Project report - Project Appraisal - Network Analysis.

Unit -IV Institutional Support and Subsidies

(20 Hrs.)

Sources of Raising Funds for an Entrepreneur- Need for Institutional Finance- Various Institutions supporting Entrepreneurial growth - Incentives and Subsidies: Meaning-Needs-Incentives and Subsidies available to Entrepreneurs0— DIC- Industrial Estates

Unit - V MSMED Act 2006

(15Hrs.)

Introduction- Classification of Enterprises- Memorandum of MSMEs-Registration of MSMEs-MUDRA Scheme, Prime Minister's Employment Generation Programme (PMEGP), STAND-UP INDIA and START-UP INDIA: Objectives-Purpose-Loan facilities available-Applying Procedures.

TEXT BOOKS

- 1. Dr.S.S Khanka, Entrepreneurial Development, Sultan Chand company Ltd.
- 2. Abha Jaiswal Micro, Small & Medium Enterprises Development Act, (Law, Policies & Incentives), Bharat Law House Pvt. Ltd

REFERENCE BOOKS

- 1. Vasant Desai, Small-Scale Industries and Entrepreneurship, Himalaya Publishing House, 2017
- 2. Prasanna Chandra- Project Preparation, Appraisal, Implementation, Tata Mc-Graw Hill, New Delhi.
- 3. G.N.Pande- A Complete Guide To Successful Entrepreneurship- Vikas Publishing House, New Delhi
- 4. C B Gupta & Srinivasan: Entrepreneurship Development in India, Sultan Chand.

5. A Gupta: Indian Entrepreneurial Culture, New Age International.

QUESTION PAPER PATTERN

Time: 3 Hours Marks: 75

- 1) Part A = 10x2 = 20 Marks All the Questions are to be answered.
- 2) Part -B = 5x5 = 25 Marks Answer five out of seven Open choice.
- 3) Part -C = 3x10 = 30 Marks Answer three out of five Open Choice.

Note: Questions should be asked from all Units. Equal importance should be given to all Units.

YEAR - II
SEMESTER - IV
GENERIC ELECTIVE-
II (B)

RETAIL MARKETING MANAGEMENT (offered to Department of Commerce) From 2019 batch onwards

CODE - 19GCM42B	
HOURS / WEEK - 5	
CREDIT - 4	

Course outcomes: After completing the course the student will be able to

CO1: students learn the concept of retailing, types and its important functions.

CO2: understand the knowledge about merchandise management.

CO3: identify factors that site location and layout of retail units.

CO4: familiarize with the promotions of retail, objectives with its functions.

CO5: acquire knowledge about e-retailing like IT-in retail, e-cash, e-commerce and smart cards etc.

Seme	ster		Course	Code		Title of the paper				Hours	Credit				
IV]]	19GCN	//42B			Reta	iil Mai	keting	Mana	igemer	nt		5	4
Course Outcom	Pi	rogran	nme O (POS)	utcom	es	Programme S			Specific Outcomes (PSOS)				Mean S	core Of	
es	PO	PO	PO	PO	PO	PS	PS	PS	PS	PS	PS	PS	PS	CC	OS
(COS)	1	2	3	4	5	O1	O2	O3	O4	O5	O6	O7	O8		
CO1	5	5	4	4	5	5	3	5	5	4	3	4	5	4.	4
CO2	4	5	5	5	5	4	5	4	3	5	5	4	3	4.	4
CO3	5	5	5	4	5	3	5	4	3	4	5	4	4	4.	3
CO4	5	5	5	5	5	5	4	5	5	3	3	4	3	4.	4
CO5	5	4	5	5	5	3	5	3	5	3	4	5	3	4.	2
									N	Mean (Overall	Score	s	4.	3

This Course is having **VERY HIGH** association with Programme Outcomes and Programme Specific Outcomes

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

YEAR - II
SEMESTER - IV
GENERIC ELECTIVE-
II (B)

RETAIL MARKETING MANAGEMENT (offered to Department of Commerce) From 2019 batch onwards

CODE – 19GCM42B	
HOURS / WEEK - 5	
CREDIT - 4	

Unit -I Introduction to Retailing

[14 Hrs.]

Retailing – meaning, definition, characteristics, importance and functions – types of retailers – types of retailing formats – Product Retailing Vs service Retailing – Retailing environment.

Unit -II Merchandise Management

[18 Hrs.]

Merchandise Management – Definition, key areas – phases in developing Merchandise plan – Methods of planning and calculating inventory level – basic stock method, percentage variation method, week's supply method and stock to sales method – merchandiser's skill and profile.

Unit – III Location of Retail Units

[20 Hrs.]

Retail location - factors affecting Retail location decision - site location and lay out - factors affecting site location and lay out - steps in selecting site. Store design - interiors and exteriors. Retailing strategies - differentiation strategies - growth strategies - expansion strategies - pricing strategies. Meaning of logistic and supply chain management- issues of storage and warehouse facility.

Unit – IV Promotion of Retail Outlets

[18Hrs.]

Retailing promotion – definition – promotional objectives – SMARRTT objectives – approaches to promotional budget – promotional advertising – sales promotion - objectives and types- personal selling.

Unit – V Information Technology in Retailing

[20 Hrs.]

Meaning and definition of IT – advantages and limitations of IT in Retail trade – competitive advantage of using IT – capturing and transmitting data at point of sale – systems for business communication and exchanging data – merchandise reordering system – E - Retailing – merits – systems of E - Retailing – kinds of retailers engaged in E - commerce – Future trends – smart cards – E-cash - Multimedia Kiosk – Customer-specific offers – Electronic body scanners – E-Tailing in India.

TEXT BOOKS

- 1. Retail Marketing Dr. L. Natarajan, , Margam Publications, Chennai.
- 2. Retail Marketing Gilbert Pearson, Education Asia publication, New Delhi.

REFERENCE BOOKS

1. Channel Management & Retail Marketing – MeenalDhotre, (E-book).

- 2. Retail Marketing Management David Gilbert, Pearson Education, India.
- 3. Retail Marketing Management SwapnaPradhan, (E-book).
- 4. Retail Management Gibson & Vedamani, Jaice Publishing House, New Delhi.
- 5. Retail Management Berman & Evans, Prentice-Hall of India, New Delhi.
- 6. Retail Management Micheal Levy & Barton Aweitz, Tata McGrew Hill Publishing Company Ltd, New Delhi.

QUESTION PAPER PATTERN

Time: 3 Hours Marks: 75

- 1) Part A = 10x2 = 20 Marks All the Questions are to be answered.
- 2) Part -B = 5x5 = 25 Marks -Answer five out of seven -Open choice.
- 3) Part -C = 3x10 = 30 Marks Answer three out of five Open Choice.

Note: Questions should be asked from all Units. Equal importance should be given to all Units.

YEAR - I	INTRODUCTION TO SOCIAL WORK PROFESSION	CODE: 19PSW11
SEMESTER - I		HRS/WEEK: 5
CORE - I		CREDIT: 4

Course Outcomes:

After completing this course, students will:

CO1: know the history, philosophy, and fields of Social Work.

CO2: understand theories, approaches and models of Social Work in practice field.

CO3: Develop attitude towards different dimensions of social problems.

CO4: Discover oneself as professional Social Worker.

CO5: Be relevant to the skills of Social Work in the major fields of Social Work.

SEMESTER I		C	OURSE C	ODE:		TITLE OF	THE PAPER: II	NTRODUCTIO	ON TO SOCIA	L WORK		
			19PSW	11		PROFESSION					HOURS:5	CREDITS:4
COURSE		PROGRAMME OUTCOMES					PROGRAMN	/IE SPECIFIC	OUTCOMES			
OUTCOMES	(PO)			(PSO)					MEAN S	SCORE OF		
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	CO'S	
CO1	5	4	4	3	5	5	4	3	5	5	4	4.3
CO2	5	3	5	4	5	5	5	3	5	5	4	4.5
CO3	5	3	4	4	5	5	5	4	5	5	4	4.5
CO4	5	4	5	4	5	5	5	4	4	5	4	4.6
CO5	5	3	5	4	5	5	5	4	5	5	4.6	
		Mean Overall Score								4	4.5	

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Social Work: Concept, Definition and related Concepts: Social Service, Social Policy, Social Legislation, Social Transformation, Social Welfare, Social Security, Social Defence, Social Justice and Social Development. Social Work Theories: Role Theory, Problem Solving and Gestalt Theory.

Unit II

Evolution of Social Work in UK and USA. Scope of Social Work. Social Work in India: Ancient period: Vedic, Vedantic and non Vedic ideologies. Medieval

period: Zoroastrianism and Islam in India - Mysticism of Bhakti and Sufi Movements - Sikhism. Modern period: Christianity in India - Hindu Reform Movements - Dalit Movements - Gandhian ideology and Sarvoday movement.

Unit III

Social Work as a Profession: Objectives, Philosophy, Principles, Methods, Values and Ethics. Professional Social Work and Voluntary Social Work. Interdisciplinary Nature of Social Work & its Relationship with Other Professions. Professional Associations, Problems faced by the Social Work Profession in India.

Unit IV

Social Work Education in India - Focus, Nature and Content of Social Work Education. Field Work in Social Work Profession: Objectives, Need and Importance - Significance of Field Work Supervision. Problems and Prospects of Social work profession in India. Role of Voluntary Organizations and Government the Government in promoting Social work profession in India. National and International Professional Associations. Social Work Profession and Education in Global perspective.

Unit V

Fields of Social Work Practice: Family and Child Welfare – Educational Settings - Medical and Psychiatric Social Work – Corporate Settings - Correctional Social Work - Urban, Rural and Tribal Community Development - Ecology and Environment - Disaster or Crisis Management and Rehabilitation - Human Rights - Social Work with Marginalized and Vulnerable sections - Geriatric Social Work. Recording in social work.

TEXT BOOK:

- 1. Samuel H Taylor, 2013, Theory and Practice of Community Social Work, New Delhi.
- 2. Bradford W. Sheafor Charles J. Horejsi, 2011, Techniques and Guidance for Social Work Practice, Eastern Economy Edition.
- 3. P. D Mishra, Social Work Philosophy and Methods, Inter India Publications.
- 4. Sanjay Bhattacharya, 2006. Social Work an Integrated Approach, New Delhi: Deep and Deep Publications.
- 5. UGC NET Tutor Social Work, 2014, Arihant Publications, New Delhi.

REFERENCES

- 1. Bhattacharya, Sanjay. 2013. Social Work Interventions and Management. New Delhi: Deep and Deep Publications.
- 2. Chowdhry, D.P. 2001. Introduction to Social Work. New Delhi: Atma Ram.
- 3. Cox, David & Manohar Pawar. 2006. International Social Work Issues, Strategies and Programs. New Deli: Vistar Publications.
- 4. Desai, Murali 2002 Ideologies and Social Work: Historical and Contemporary Analysis, Jaipur: Rawat Publication.
- 5. Dominelli, Lena. 2004. Social Work: Theory and Practice for a Changing Profession. London:Polity Press
- 6. Gilbert, Neil. et. al. 2002. An Introduction to Social Work Practice. New Jersey: Prentice Hall.
- 7. Sheldon, B., & Macdonald, G., 2010 A Textbook of Social Work, London: Routledge.

QUESTION PATTERN

SECTION -A (10X2=20)

Answer ALL Questions

- 1. Define Social Work
- 2. What is radical social work?
- 3. Define community organization.
- 4. List out example for right based approach in social work practice.
- 5. Define community.
- 6. Who is the mother of social case work?
- 7. List out different fields of social work.
- 8. What do you mean by charity?
- 9. Write Abbreviations: IASW, ASSWI
- 10. Mention first school of social work in India.

SECTION - B (5X5=25)

Answer ALL Questions

11. a) Elaborate the functions of Social Work.

(or)

- b) List out the various objectives of Social Work.
- 12. a) Critically analyse any one approach of Social Work.

(or)

- b) Trace the Historical Development of Social Work in India.
- 13. a) Explain the role of Research in Social Work.

(or

- b) How do you argue Case Work as a method of Social Work?
- 14. a) Write a note on Fields of Social Work.

(or)

- b) Explain with suitable examples "the family" as a field of Social Work.
- 15. a) "Social Work education in India is a profession". Discuss.

(or)

b) Write a note on the training institutions in India.

SECTION -C (3X10=30)

Answer any THREE Questions

- 16 Discuss the professional ethics of Social Work in determining it as a profession.
- 17. What do you mean by Programme Planning?
- 18. How do you organize a successful programme?
- 19. Analyze the development of Social Work in USA & UK.
- 20. List out the functions of ASSWI & NASW.

YEAR – I		CODE: 19PSW12
SEMESTER – I	SOCIAL CASE WORK	HRS/WEEK: 5
CORE – II		CREDIT: 4

Course Outcome:

After completing this course, students will:

CO1: Acquire knowledge on the foundation of case work

CO2: Diagnose the problems of individuals and treat them effectively

CO3: Gain knowledge on the models and approaches of Social Case

Work and its application

CO4: Use various tools and techniques to help the individuals **CO5:** Apply the Knowledge of case work in different settings

SEMESTER I		COURSE CODE: 19PSW12				TITLE OF THE PAPER: SOCIAL CASE WORK					HOURS:5	CREDITS:4
COURSE OUTCOMES		PROGRAMME OUTCOMES (PO)				PROGRAMME SPECIFIC OUTCOMES (PSO)				MEAN SCORE OF		
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	CO'S	
CO1	5	3	5	4	5	5	5	3	4	4		4.3
CO2	5	3	5	4	4	5	5	4	5	5	,	4.5
CO3	4	3	5	4	5	5	5	4	4	4	,	4.3
CO4	5	4	5	5	5	4	5	5	4	4	,	4.6
CO5	5	4	5	4	5	5	5	3	5	5	,	4.6
		Mean Overall Score							4	.46		

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Case Work: Meaning, Definition, Historical Development; Scope and limitations, its importance and Relationship with other methods of Social Work. Values - Worth and Dignity of Clients; Basic components of Social Work – Person, Problem, Place and Process and Principles of Social Case Work.

Unit II

Case worker-client Relationship: Meaning and its importance. Characteristics of Professional relationship: empathy, Sympathy, Transference, Counter

Transference, Resistance, Sustaining the relationship, Genuineness, Unconditional Positive regard and Self Disclosure.

Unit III

Case Work Process: Intake and Exploration: Analysis and assessment – Psychosocial Diagnosis, Formulation of goals, Prioritization of Needs, Development of Action Plan, Use of Contracts; Intervention: Counseling and use of Supportive and Reflective Techniques of Direct Influence; Importance of involvement Collateral Contacts in the entire Process.

Unit IV

Approaches to practice: Psychosocial, Functional, Problem Solving, Crisis intervention; Electic Model for Practice. Case work Interviewing: Principles, Techniques and Skills. Casework Recording: Types of Records, Record Maintenance. Recent Techniques in Social Case Work Practice: Indigenous Social Case Work practices.

Unit V

Practice of Social Casework: Role and functions of Social caseworker in various settings- Medical and Psychiatric Setting - Health Care Centers, Mental Health - De-Addiction & Community Based Rehabilitation, Family and Child Welfare, Educational Setting, Correctional Setting - Homes or Special Schools for delinquents, Observation Homes, Prisons, Corporate Setting, Community Welfare setting. Palliative & Geriatric Care.

TEXT BOOK:

- 1. Louise C. Johnson, Stephen J. Yanca, 2011, Social Work Practice A General Approach, PHI Learning Private Limited, New Delhi.
- 2. P. D Mishra, 2001, Social Work Philosophy and Methods, Inter India Publications.
- 3. Sanjay Bhattacharya, 2003, Social Work An Integrated Approach, Deep & Deep Publications Pvt. Ltd.
- 4. R. K. Upadhyay, 2003, Social Case Work a Therapeutic Approach, Rawat Publications New Delhi.
- 5. Brad ford W. sheafoe, 2012 Techniques and Guidelines for social work practice, New Delhi.

REFERENCES

- 1. Hamilton Gordon (2013). Theory and Practice of Social Case Work -2^{nd} Edition, Rawat Publications, India.
- 2. Keats, Daphne (2002) Interviewing A Practical Guide for Students and Professionals, New Delhi: Viva Books Pvt.Ltd.
- 3. Payne Malcolm, (2005): Modern social work theory, 3rd edition, Palgrave macmillian, Newyork.
- 4. Perlman HH (2011), Social Case Work: A Problem Solving Process, Rawat Publications, India.
- 5. Robert W, Roberts Robert H. Nee, 2000 Theories of Social Casework, Unity of Chicago Press, Chicago.
- 6. Upadhyay, R.K, 2003 Social Casework: A Therapeutic Approach, Rawat Publications, India.

QUESTION PATTERN

SECTION -A (10X2=20)

Answer ALL Questions

- 1. Define Social Case Work.
- 2. Who is a client?
- 3. What is Empathy?
- 4. What do you meant by Genuineness?
- 5. What is catharsis?
- 6. Explain confidentiality?
- 7. Mention any two uses of yoga.
- 8. What is hypnotism?
- 9. Mention any two roles of social workers in Industries.
- 10. What is meant by stigmatizations?

SECTION - B (5X5=25)

Answer ALL Questions

11. a) Explain the basic components of Social Work.

(or)

- b) Discuss the Case Work practice in India.
- 12.a) Distinguish transference and counter transference with suitable examples.

(or)

- b) Write a short note on unconditional positive regard.
- 13. a) What is collateral contacts?

(or)

- b) Briefly discuss psychosocial diagnosis.
- 14. a) What are the benefits of Meditation?

(or)

- b) Expalin the purpose of recording in case work?
- 15. a) Highlight case work practice in HIV/AIDS ward.

(or)

b) Discuss in detail the conflicts and dilemmas in working with family.

SECTION – C (3X10=30) Answer any THREE Questions

- 16. Discuss the basic assumptions of social case work.
- 17. Highlight the importance of caseworker client relationship.
- 18. Describe case work process.
- 19. Briefly explain the skills required for effective Case Work practice.
- 20. Enumerate how social case work method could be practiced in schools.

YEAR – I		CODE: 19PSW13
SEMESTER – I	SOCIAL GROUP WORK	HRS/WEEK: 5
CORE – III		CREDIT: 4

Course Outcome:

After completing this course, students will:

CO1: Develop theoretical understanding on Group Work as a method of Social Work

CO2: Be exposed to the theories, models and approaches of Social Group Work

CO3: Demonstrate ethical standards in working with the group

CO4: Practice Social Group Work as a method of Social Work in the field

CO5: Utilize programme media in Social Work practice

SEMESTER I		COURSE CODE: 19PSW13				TITLE OF THE PAPER: SOCIAL GROUP WORK					HOURS:5	CREDITS:4
COURSE OUTCOMES	PROGRAMME OUTCOMES PROGRAMME SPECIFIC (PO) (PSO)					OUTCOMES		MEAN SCORE OF				
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	CO'S	
CO1	5	4	3	5	4	4	5	3	5	5	4	1.3
CO2	4	3	4	4	5	5	5	3	5	5	4	1.3
CO3	5	4	5	4	5	5	5	3	5	5	4	1.6
CO4	5	4	4	5	5	5	4	3	5	4	4	1.4
CO5	4	4	5	5	5	5	5	4	5	5	4.7	
		Mean Overall Score							4	.46		

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Social Group: Definition, Characteristics, Types of Groups and Functions of a group; Stages of Group development, Group Process: Bond, Acceptance, Isolation, Rejection, Sub-group formation, Withdrawal and control. Role of Individual in group.

Unit II

Group Work: Meaning, Definition, Purpose and Models of Group Work; Historical Development of Group Work; Principles of Group Work; Group Work

Process: Intake, Study, Diagnosis, Treatment, Evaluation and Termination or follow up work. Difference between Group Process & Group Work Process. Group Work and Therapeutic Approach: Behavior Modification Therapy, Rational Emotive Therapy, Family Therapy. Assertive behaviour. Etiquettes and Manners

Unit III

Programme Planning: Meaning and Definition of Programme, Principles and Process of Programme Planning and the place agency in programme planning; Programme Laboratory — Values and techniques: Games, Singing, Dancing, Drama & Street play, Puppetry, Mime, Group discussions, Parties, Excursion, Psychodrama, Socio-drama, role play, Brain Storming, Camping — Planning and Conducting Camps.

Unit IV

Role & Responsibilities of Group Worker & Significance of home visits and collateral contacts, Leadership: Concepts, Definition, Characteristics and functions, qualities of leader, Types and theories of leadership; Training for leadership; Sociometry and Sociogram. Group Morale and ethics. Group Work Supervision: Meaning, purpose, tasks, types and functions.

Unit V

Group Work Recording: Meaning, purpose, principles and Types of Recording, process and summary Records, Group Work Evaluation: Meaning and its place in Group Work, Steps in Group Work Evaluation and Criteria for good Group Work. Application of Group work method in different settings: Group Work Practice in Different settings: Institution for Children, Family Service agencies, Correctional Settings, Community Development Settings, Community Based Organisations, Educational Institutions, Corporate Organizations, Trade Unions, Clinical Settings, Mental Health Institutions, Home for Aged and others

TEXT BOOK:

- 1. David Capuzzi, 2017, Introduction to Group Work, New Delhi.
- 2. Bradford W. Sheafor Charles J. Horejsi, 2011, Techniques and Guidance for Social Work Practice, Eastern Economy Edition.
- 3. Prof. P. D. Misra, 2008, Social Group Work, Theory and Practice, New Royal Book Co, Lucknow.
- 4. P. D Mishra, Social Work Philosophy and Methods, Inter India Publications.

- 5. David Capuzzi, 2017, Introduction to group work, Rawat Publications, New Delhi.
- 6. Douglas R. Gross, 2017, Foundation for Group Work, Rawat Publications, New Delhi.

REFERENCES

- 1. Conyne K. Robert, 2013, Group Work Leadership an Introduction for Helpers (Counseling and Professional Identity), SAGE Publications, Inc. UK.
- 2. Donahue Bill and Bowman Grey, 2012, Coaching Life- Changing Small Group Leaders A Comprehensive Guide for Developing Leaders of Groups and Teams (Groups that Grow), Zondervan, US.
- 3. Gitterman Alex and Salmon Robert, 2009, Encyclopedia of Social Work with Groups, Routledge New York.
- 4. Kottler A. Jeffrey and Englar-Carlson Matt, 2009, Learning Group Leadership An Experiential Approach, SAGE Publications, Inc., California.
- 5. Lindsay Trevor and Orton Sue, 2008, Group Work Practice in Social Work, Learning Matters Ltd., New York.
- 6. Merchant M. Niloufer and Yozamp J. Carole, 2013, Groups in Community and Agency Settings (Group Work Practice Kit), SAGE Publications, Inc, California.
- 7. Shulman Lawrence, 2008, the Skills of Helping Individuals, Families, Groups, and Communities (with CD), Brooks Cole, USA.
- 8. Toseland W. Ronald, Rivas Robert F., 2014, An Introduction to Group Work Practice, Pearson Education Limited, Edinburgh Gate, Harlow, Essex CM20 2JE, England and Associated Companies Throughout the World, England.
- 9. Webb Boyd Nancy, 2011, Social Work Practice with Children and Families, A Division of Guilford Publications Inc. New York.
- 10. Toseland R.W & Rivas R.F (2009) Introduction to group work practice.
- 11. Siddiqui H.Y (2008) Group Work: Theories and Practice, Rawat Publications.

QUESTION PATTERN

SECTION -A (10X2=20)

Answer ALL Questions

- 1. What is meant by 'Group Bond'?
- 2. List out various types of groups.
- 3. Define Social Group Work.
- 4. Choose the correct option that is sequentially arranged.
 - a) Study, Intake, Diagnosis, Treatment, Termination, Evaluation
 - b) Intake, Study, Diagnosis, Treatment, Termination, Evaluation
 - c) Intake, Study, Diagnosis, Treatment, Evaluation, Termination
 - d) Evaluation, Intake, Diagnosis, Study, Treatment, Termination
- 5. What do you mean by Psychodrama?
- 6. Provide four functions of Programme Planning.
- 7. Clarify Collateral Contacts in Group Work.
- 8. State briefly about Sociometry in Group Work.
- 9. Why recording is needed while practicing Group Work?
- 10. What are the purposes of evaluation in Group Work?

SECTION - B (5X5=25)

Answer ALL Questions

11. a) Describe the functions of Group.

(or)

- b) Pronounce the importance of 'Acceptance' in Group.
- 12. a) Explicate Reid's various classifications of Group Work Models.

(or)

- b) Trace the history of Group Work in India.
- 13. a) Explicate the principles of programme planning.

(or)

- b) Deliberate on the use of Programme Media.
- 14. a) Represent the skills of Group Worker in group counselling and group therapy.

(or)

b) Reveal the skills of the Group Worker in understanding and dealingindividual behaviour.

15. a) Explain the principles of Group Work recording.

(or)

b) How significant are the skills of Group Worker in referral services and meetings in community settings.

SECTION – C (3X10=30) Answer any THREE Questions

- 16. Elucidate the functional and non-functional roles of group members with relevant examples.
- 17. Describe the process of Social Group Work in line with your field knowledge.
- 18. Exemplify the effectiveness of Programme Planning / Programme Laboratory in Social Group Work. 19. Establish the functions and qualities of Group Worker as a leader with suitable illustrations.
- 20. How would you rehabilitate the inmates of a jail as a Social Worker?

YEAR – I	COMMUNITY ORGANIZATION AND	CODE: 19PSW14
SEMESTER - I		HRS/WEEK: 5
CORE – IV	SOCIAL ACTION	CREDIT: 4

Course Outcome:

After completing this course, students will:

CO1: Develop theoretical understanding on Community Organisation as a method Social Work.

CO2: Be aware of theories, models and approaches of Community Organization.

CO3: Practice Community Organisation as a method of Social Work in the field of Social Work.

CO4: Extend theoretical understanding on Social Action as a method of Social Work.

CO5: Apply Social Action as a method of Social Work.

SEMESTER I		COURSE CODE: 19PSW14					HE PAPER: C			TION AND		
			19PSW	14		SOCIAL ACTION					HOURS:5	CREDITS:4
COURSE		PROGRAMME OUTCOMES				PROGRAMN	1E SPECIFIC (OUTCOMES				
OUTCOMES	(PO)			(PSO)					MEAN SCORE OF			
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	CO'S	
CO1	5	5	5	4	4	5	5	5	4	4	4	.6
CO2	5	5	5	4	5	5	5	5	4	5	4	.2
CO3	5	4	5	4	5	5	5	5	4	5	4	l.7
CO4	5	4	5	4	5	5	5	4	4	5	4	.6
CO5	5	5	5	4	4	5	5	4	4	4	4.5	
	Mean Overall Score								4	.5		

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Community: Meaning, Types and Characteristics; Community Power Structure and Minority groups. Community Dynamics: Integrative and Disintegrative Processes in the Community. Leadership: Definitions, Types and Qualities; Leadership in different types of Communities, Theories of Leadership.

Unit II

Community Organization: Concepts, Definition, Objectives, Philosophy, Approaches and Principles; Community Organization as a method of Social work; Community Welfare Councils and Community Chests. Methods of Community Organization: Planning, Education, Communication, Community Participation, Collective Decision Making, Involvement of groups and Organizations, Resource Mobilization, Co-ordination. Skills in Community organization. Awareness Creation based on Social issues.

Unit III

Phases of Community Organization: Assessment of community using PRA, Study, Assessment, Discussion, Organization, Action, Evaluation, Modification, Continuation; Community study; Community Organization in emergencies like Fire, Famine, Flood, Drought, Earthquake and War; Community Organization at Local, State and National level; Community organization in Rural, Urban, Slum and Tribal Areas.

Unit IV

Social Action: Definition, Objectives, Principles, Approaches, Methods and Strategies; Social Action as Method of Social Work; Social work and Social action. Roles and Responsibilities of Social Activist. Process of Social Action; Scope for Social Action in India.

Unit V

Social Reform and Social movements - Various contributions to the theory of Social Action: Mahatma Gandhi, Periyar, Ambethkar, Paulo Freire, Saul Alinsky, Martin Luther King, and Karl Marx. Role of Social Workers in Community Organization and Social Action.

TEXT BOOK:

- Gangrade, K.D: Community Organization in India, Popular Prakasan, Bombay.
- 2. Christopher, A.J and William, Thomas, 2006, Community Organization and Social Action, Himalaya Publication House, New Delhi.
- 3. Asha Ramagonda Patil, 2013, Community Organization and Development an Indian Perspective, Eastern Economy Edition,
- 4. Samuel H Taylor, 2013, Theory and Practice of Community Social Work, New Delhi.

5. W. Sheafor Charles J. Horejsi, 2011, Techniques and Guidance for Social Work Practice, Ninth Edition, Bradford Eastern Economy Edition.

REFERENCES

- 1. Beher A & Samuel J 2006 Social Watch in India: Citizens Report on Governance and Development, Pune: NCAS
- 2. Chambers Robert 2005 Ideas for Development, Earth Scan, London
- 3. Christopher, A.J and William, Thomas, 2006, Community Organization and Social Action, Himalaya Publication House, New Delhi.
- 4. Delgado, M., &Humm-Delgado, D. (2013). Assets assessments and community social work practice Chapter 9: Asset assessments and youth
- 5. Delgado, M., &Humm-Delgado, D. (2013). Assets assessments and community social work practice Chapter 10: Asset assessments and Latino communities. New York: Oxford University Press.
- 6. Homan, M.S. (2011). Theoretical frameworks for community change, pp. 34-69.
- 7. Macmillan, Wayne: Community organization for social welfare, University of Chicago press.
- 8. Skim: Bowie, P. (2010). Getting to scale: The elusive goal (Magnolia Place Community Initiative).

QUESTION PATTERN

SECTION -A (10X2=20)

Answer ALL Questions

- 1. What is minority group?
- 2. What is leadership?
- 3. What is Community organization?
- 4. What is Community welfare council?
- 5. What is resource mobilization?
- 6. What is social issue?
- 7. What is PRA?
- 8. What is assessment of community?
- 9. What is social action?
- 10. What is Social reform?

SECTION - B (5X5=25)

Answer ALL Questions

11. a. Explain the types of leaderships

(or)

- b. Explain the nature of community dynamics
- 12. a. Explain the objectives of community organization

(or)

- b. Explain the approaches of community organization
- 13. a. Explain the skills needed for community organization

(or)

- b. Explain the methods of increasing community participation
- 14. a. Explain the uses of PRA in rural setting

(or)

- b. Explain use of community organization during floods
- 15. a. Give details of social movements in India

(or)

b. Explain the strategies of social action

SECTION -C (3X10=30)

Answer any THREE Questions

- 16. Explain the integrative and disintegrative processes in communities.
- 17. Explain the principles of community organization.
- 18. Explain the use of community organization for community development.
- 19. Explain the phases of community organization.
- 20. Explain the principles of social action.

YEAR – I	CONCURRENT FIELD WORK	CODE: PSWF1
SEMESTER – I		HRS/WEEK: 5
CORE PRACTICAL – I	PRACTICUM - I	CREDIT: 4

Course Outcome:

After completing this course, students will:

CO1: Be exposed to different fields of Social Work

CO2: Understand the role of professional Social Worker in a structured agency

CO3: Understand and reflect on diverse needs and problems of the target groups

CO4: Appraise on the theoretical framework, approaches, models and practices

CO5: Develop positive framework about the profession

								•				
SEMESTER I		CC	OURSE CO			TITLE OF THE PAPER: FIELD WORK PRACTICUM						
			PSWF1								HOURS:5	CREDITS:4
COURSE		PROGR/	AMME O	UTCOME	S		PROGRAMN	ME SPECIFIC	OUTCOMES			
OUTCOMES	(PO)					(PSO)				MEAN SCORE OF		
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	CO'S	
CO1	5	4	5	4	5	5	5	3	4	5	4	.5
CO2	5	4	4	3	5	5	4	3	4	4	4	.1
CO3	4	4	5	4	5	5	5	3	5	5	4	.5
CO4	5	4	5	4	5	5	4	3	5	5	4	.5
CO5	5	4	5	3	5	5	4	3	4	5	4	.3
Mean Overall Score							4.	.38				

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Field Work is very important element in the curriculum of Social Work. Extension activities are being promoted to develop the community towards different aspects of development. Observation visits and Group Project on current social issues are expected be organized as the field work requirements in the first semester. To execute these extension activities towards the needy, the students of Social Work are prepared to develop their skills by observation visits to Community, Medical & Psychiatric and Industrial settings.

Field work practical components are scheduled every week equivalent to theory classes. To improve their physical fitness as well as mental capacity and to equip the students on the conceptual development of social issues, ten days street theatre training programme is being organized.

Field Work Components:

- 1. Observational Visits -The first year students during the first semester go for observational visits to various settings: Medical & Psychiatric, Rural Community Setting, Slum Visits, Industrial Setting, Correctional Setting and Tribal Setting.
- 2. Street Theatre training for a week
- 3. Group Project on Current Issues.

Every week the students write a report of their activities and submit to the concerned field work supervisor on Mondays. The supervisor conducts individual and group conference every week regularly.

At the end of the semester Viva Voce is conducted by an external examiner and marks are awarded.

The CA Mark – 40 and the SE Mark - 60. Marks Allotments

S.	Activity	Internal	External
No		Marks	Marks
1	Observation Visit, Street Theatre Training and Group Project	40	
2	Presentation, Quality in Components, Communication		60
	Total	10	00

YEAR – I	DUDAL COCIAL MODIC	CODE: 19PSWE1	
SEMESTER – I	RURAL SOCIAL WORK	CDEDIT . 2	
EXTENSION - I	PERSPECTIVES (RURAL CAMP)	CREDIT : 2	

Course Outcome:

After completing this course, students will:

CO1: Experience to the village setup.

CO2: Understand the social problems and attaining solution.

CO3: Set their leadership qualities.

CO4: Be experienced in organizing programme and create awareness to

the people.

CO5: Identify their ability to cope up with the society.

SEMESTER I	COURSE CODE: TITLE OF THE PAPER: RURAL SOCIAL WORK 19PSWE1 PERSPECTIVES (RURAL CAMP)						RK	HOURS:	CREDITS:2				
COURSE OUTCOMES	PROGRAMME OUTCOMES (PO)						PROGRAMN	/IE SPECIFIC ((PSO)	OUTCOMES		MEAN SCORE OF		
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	C	O'S	
CO1	3	3	4	2	5	5	5	3	5	4	3	3.9	
CO2	4	3	4	3	4	5	5	3	4	5	4		
CO3	4	3	5	3	5	5	5	3	5	5	4	1.3	
CO4	4	3	5	3	5	5	5	3	5	5	4.3		
CO5	5	4	5	4	5	5	5	4	5	5	4	l. 7	
		Mean Overall Score							4	.24			

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

The main objective of the rural camp will be to enable the students experience rural life and group living. The students with the support and guidance from the faculty will involve themselves in all the planning and executing activities of the camp. This includes identification of the village, pilot visits for identification of projects in the village and liaise with various NGOs and Government officials. The entire class will be divided into various committees to facilitate division of

work and participation of each student. A camp leader elected from the student group, will co-ordinate along with the camp in-charge faculties for efficient execution of the camp. A periodic evaluation of the camp will be conducted in the department. The students are expected to document and submit a report on their experiences and learning in the Rural Camp during the Vice-voce which is conducted internally. After the Internal Viva-voce, the students are awarded with 2 credits.

Tasks during Rural Camp:

- 1. Selection of a theme for the rural camp
- 2. Identification of a suitable village-Pilot study
- 3. Formation of committees and allocating work
- 4. Planning the programmes to be executed during the camp
- 5. Implementation of the programmes

Skills Development:

Co-operating, planning, participation, adaptability, accommodating, co-ordination, organizing, networking, leadership skills, fund raising, accounting, self evaluating skills and documenting skills.

YEAR – I	SOCIOLOGY AND PSYCHOLOGY	CODE: 19EPS15A
SEMESTER – I		HRS/WEEK: 4
ELECTIVE - I (A)	FOUNDATION FOR SOCIAL WORK	CREDIT: 3

After completing this course, students will:

CO1: Be exposed to the diverse Sociological theories and its role in Social Work

CO2: Demonstrate professional traits in dealing with the context of social stratification in India

CO3: Gain knowledge on the stages of human development and its influences

CO4: Adopt the effective style of learning; realize the importance of sustainable motivation

CO5: Be aware of application of Social Work knowledge to enhance the mental well being

SEMESTER I		CC	OURSE CO			TITLE OF THE PAPER: SOCIOLOGY AND PSYCHOLOGY FOUNDATION FOR SOCIAL WORK				HOLOGY	HOURS:4	CREDITS:3	
COURSE OUTCOMES		PROGRA	19EPS15A FOUNDATION FOR SOCIAL WORK ROGRAMME OUTCOMES PROGRAMME SPECIFIC OUTCOMES (PO) (PSO)						MEAN SCORE OF				
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	co's		
CO1	5	3	5	3	5	5	4	3	5	5	4	4.3	
CO2	4	4	4	4	5	4	5	3	4	5	4	1.2	
CO3	4	4	4	4	5	5	5	3	4	4	4	1.2	
CO4	4	4	5	4	5	5	5	4	5	4	4	4.5	
CO5	5	3	5	4	5	5 5 3 5 4				4	4	1.4	
	Mean Overall Score							4.32					

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Sociological Concepts: Society, Community, Association, Institutions, Social Group — Types and Functions; Cultural Processes: Accommodation, Acculturation, Assimilation, Diffusion, Cultural Conflict, Cohesion, Integration, Cultural Lag, Cultural Change; Social Stratification — Caste and Class System. Social Change: Urbanization, Industrialization, Modernization, Sanskritisation. Social Control and Social Deviance: Norms, Folkways, Mores, Customs.

Unit II

Social Problems in India: Poverty, Over Population, Beggary, Illiteracy, Unemployment, globalization, Corruption, Housing and Slums, Communicable Diseases, HIV or AIDS, STI. Infidelity, Nepotism, Terrorism, Communal and Caste Issues, Honour Killing, Child Trafficking, Dowry, Mal-Nutrition, Problems of Vulnerable Groups: Women, Children, and Aged; Physically Challenged, Alcoholism and Drug Abuse, Environment Issues: Climate Change.

Unit III

Psychology: Definition, Psychological Approach to understand Human Behavior. Introduction to Human Growth and Development, Developmental Stages, Developmental tasks. The Beginning of life: Human Reproductive System: Fertilization, Delivery, Pre and Postnatal Care. Developmental Periods: Infancy, Babyhood. Childhood, Puberty Adolescence, Adulthood, Middle Age and Old Age; Physical Intellectual Emotional and Social Development.

Unit IV

Personality, Perception, Measurement of Intelligence, Self Esteem, Self Efficacy, Self Awareness through SWOT Analysis, Johari Window, Attitude, Positive Attitude, Adjustment and Maladjustment, Stress, Frustration, Conflict, Responsible Sexual Behavior, Motivation, learning, instincts and Mental Health.

Unit V

Abnormal Psychology: Concepts of Normality and Abnormality. Causation of Mental Illness, Neuroses, Psychoses, Classification of Psychological Disorders. Defense Mechanism Developmental Disorders, Anxiety related Disorders, Conduct Disorders Epilepsy, Learning Disabilities, Scholastic related Problems. Personality Disorders, Suicidal Tendencies. Rehabilitation.

TEXT BOOK:

- 1. Social work perspective in Human Behaviour, Margarete Parrish, New Delhi, 2012
- 2. Roshni jain, An Introduction to Sociology, AITBS Publishers, India.
- 3. Richard, T. Schaefer, ,2011, Sociology A Brief Introduction, Tata Mcgraw Hill Eduction pvt ltd, Newdehi.

- 4. C.N. Shankar Rao, 2012, Sociology Principles of Sociology with an into Social Thought. S.Chand & Company ltd, Newdelhi.
- 5. Niraj Ahuja, 2011, A Text Book of Psychiatry, Jaypee Brothers Medical Publishers (Pvt) Ltd.
- 6. Dr. R.N. Sharma, 2010, Abnormal Psychology, Subject Publication.

REFERENCES:

- 1. Antony Gidden. 2001. Sociology. Polity Press. Cambridge.
- 2. Bhusan Vidya & D.R.Sachdeva. 2005. An Introduction to Sociology. Kitab Mahal Publications. Allahabad.
- 3. Carson (2012). Abnormal Psychology.(15thed). Pearson Education
- 4. Hurlock, Elizabeth (2001): Developmental Psychology, Tata McGraw Hill, New York.
- 5. Mangal , S.K. (2006): An Introduction to Psychology, Sterling Publishers Pvt. Ltd.
- 6. Misra, Girishwar Misra (2011): Handbook on Psychology in India, Oxford University Press, New Delhi.
- 7. Park, K (2015): Park's Textbook of Preventive and Social Medicine, Banarsidas Bhanot Publishers, Jabalpur.
- 8. Priya, Ritu and Shweta A.S. (2010). Status and Role of AYUSH Services and Use of Local Health Traditions under the NRHM: A Health Systems Study across 18 States (co-author: Shweta Awasthi Saxena), National Health Systems Resource Centre.
- 9. Sarason & Sarason (2011). Abnormal Psychology The Problem of Maladaptive Behaviour(12thed). Pearson Education.

QUESTION PATTERN

SECTION -A (10X2=20)

Answer ALL Questions

- 1. What is Psychology?
- 2. Mention the two major stages of human growth and development.
- 3. Name any four environmental factors that determine personality.
- 4. Expand SWOT.
- 5. How can you deal with frustration?
- 6. State some of the benefits of positive attitude.
- 7. How does WHO define 'Mental Health'?
- 8. What are the causes of neurotic reaction?
- 9. Define 'Anxiety'.
- 10. Mention the Psychological symptoms of Anxiety Disaster.

SECTION - B (5X5=25)

Answer ALL Questions

11. a) Explain the factors influencing 'prenatal Stage'.

(or)

- b) Describe the important changes that occur during the 'Partunate' stage of the Infancy period.
- 12. a) Explain the characteristics of 'Personality.

(or)

- b) How do internal factors affect one's perception?
- 13. a) Enumerate the symptoms of 'Frustration'.

(or)

- b) Who is a 'Well Adjusted' Person?
- 14. a) Distinguish the difference between 'Normality' and 'Abnorality'.

(or)

- b) Describe the factors Contributing to 'Mental Illness'?
- 15. a) Differentiate Epilepsy from 'Seizure'.

(or)

b) Describe the psychological factors leading to 'Suicidal Behaviour'.

SECTION -C (3X10=30)

Answer any THREE Questions

- 16. Discuss the various development tasks significant to the period of Adolescence.
- 17. Explain the ways and means to improve once perception.
- 18. Describe 'Maladjustment'.
- 19. Explain various defense mechanisms.
- 20. Discuss the learning difficulties involved in a person who finds hard to understand language or concepts.

YEAR – I		CODE: 19EPS15B
SEMESTER – I	FAMILY AND MARITAL COUNSELLING	HRS/WEEK: 4
ELECTIVE - I (B)		CREDIT: 3

After completing this course, students will:

CO1: Be enriched to work with dysfunctional family system and be aware of methods to resolve

CO2: Be provided with conceptual understanding of family as a system and changes involved and its reflection on family relationship

CO3: Be provided with theoretical perception on family welfare management

CO4: Be facilitated to develop skills and insight of social worker in resolving issues.

SEMESTER I		COURSE CODE: 19EPS15B						PER: FAMILY		TAL			
			19EPS15	iB .		COUNSELLING					HOURS:4	CREDITS:3	
COURSE		PROGRAMME OUTCOMES					PROGRAMME SPECIFIC OUTCOMES						
OUTCOMES			(PO)			(PSO)				MEAN SCORE OF			
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	CO'S		
CO1	4	3	4	3	4	4	4	3	4	4	3	3.7	
CO2	4	3	3	3	4	3	4	4	4	4	3	3.6	
CO3	5	4	3	4	5	5	5	4	4	4	4	1.3	
CO4	5	4	5	3	4	5	5	3	4	5	4.3		
	Mean Overall Score								3.	975			

This Course is having **HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Family definition, Marriage, Types of families, Emerging families, Family ecology, Family functions, Family norms, Family patterns, Family structure, Family practices. Family as system, Family development tasks. Changing pattern of family in India. Communication in family: Importance, patterns of communications, factors affecting communications in families.

Unit II

Theoretical foundations for counseling: Cognitive – Developmental cognitive behavioral, Humanistic Theories, Existential counseling, Adlerian Systems theory, Post modern theories.

Unit III

Understanding the Dysfunctional family: Factors contributing to dysfunctional family system, broken families, single parent families. The impact of broken families on children.

Unit IV

Marriage and family; aims and types of marriage. Factors contributing to marital conflicts. Separation and divorce, Stress, Lack of adequate child care, inflexible work environment, infertility, Adoption, surrogate mothers Family Violence: Wife battering, Husband abuse, Child abuse, Elder abuse, Parent abuse. Family Intervention: Genogram, Methods of assessment, Rehabilitation, Crisis intervention, strengths and resilience

Unit V

Counseling: Definition, Family counseling; Marital Therapy; Pre-marital Counseling; approaches to marital Therapy.

TEXT BOOK:

- 1. Personality psychology, Randy J Larsen, New Delhi, 2011 Sister Mary Vishala, SNO, 2006, Guidance and Counseling (for teachers, parents & students), S. Chand & Company Limited, New Delh.
- 2. Robert L. Gibson, Marianne H. Mitchell, 2009, Introduction to Counseling and Guidance, PHI Learning Private Limited, New Delhi.
- 3. Colin Feltam, Windy Dryden, 2010 Brief counseling A Practical Integrative Approach, Tata McGraw Hill publishing company limited, New Delhi.
- 4. Samuel T. Gladding, 2009, Counseling A Comprehensive Profession, Pearson, New Delhi.
- 5. UGC NET/ SET Social Work Trueman's Specific series, 2016, Danika Pulishing Company.

REFERENCES:

- 1. Augustine Meier, and Micheline Boivin (2010), Counseling & Therapy Technique, Theory and Practice (Sage).
- 2. Desai and Raju(2000) Gerontological Social Work in India: Some issues and perspectives, BR Publishers, New Delhi.
- 3. Egan, G. (2013). The skilled helper A Problem Management Approach to Helping. Brooks/Cole Publishers.
- 4. Fonseea Mabe: Counseling for marital happiness, Leensufala, Bombay. Indian Social Institute: The family in the change and challenge of the seventies sterling publications, New Delhi.
- 5. Nelson-Jones (2010). The theory and practice of counseling and Therapy (5thed). Sage.
- 6. Nelson-Jones (2008). Basic Counselling Skills. Sage Publications.
- 7. Rosemary A Thompson (2016). Counseling Techniques-Improving relationships with others, ourselves, our families, and our environment, 3rd ed. Routledge.

YEAR – I	SOCIAL WORK RESEARCH AND SOCIAL STATISTICS	CODE: 19PSW21
SEMESTER – II		HRS/WEEK :5
CORE – V		CREDIT: 4

After completing this course, students will:

CO1: Develop the theoretical understanding of Social Work Research.

CO2: Employ suitable research design and formulate research hypothesis.

CO3: Adopt suitable sampling technique, tool and method of data collection.

CO4: Identify appropriate statistical tests for data analysis and gain insights for data interpretation.

CO5: Develop skills to write research proposal and prepare research report.

SEMESTER II		COURSE CODE:				TITLE O	F THE PAPER	: SOCIAL WC	RK RESEAR	CH AND			
			19PSW2	21			soc	IAL STATIST	ICS		HOURS:5	CREDITS:4	
COURSE		PROGRAMME OUTCOMES				PROGRAMME SPECIFIC OUTCOMES							
OUTCOMES	(PO)					(PSO)					CORE OF		
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	co's		
CO1	4	5	4	5	4	4	4	5	4	4	4.3		
CO2	3	5	4	4	4	4	4	5	3	3	3	3.9	
CO3	2	4	3	4	2	3	3	4	3	3	3	3.1	
CO4	2	4	3	3	2	3	3	4	3	3		3	
CO5	4	5	4	4	4	4 3 4 3 3					3	3.8	
	Mean Overall Score								3	.62			

This Course is having **HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Social Work Research: Meaning, Definition, Types – Qualitative, Qualitative and Mixed, Purpose of Research, Social Research and Social Work Research. Scientific Method: Nature, Characteristics, Purpose and Steps, in Research Process; Concepts: Operationalisation of Concepts, Variables and its Types, Hypothesis: Sources, Formulation, Attributes of Hypothesis and Types. Review of the Literature.

Unit II

Research Design and Sampling: Types of Research Design: Concept and Types. Identification and Formulation of Research Problems. Sampling: Definition, Principles, Types and procedures; Population and Universe; Measurement of Scales: Meaning, Concept; Levels of Measurement; Validity and Reliability.

Unit III

Sources and Methods of Data Collection: Sources: Primary and Secondary; Quantitative Method Research Tools: Observation, Survey Methods: Interview Guide, Interview Schedule, and Questionnaire: Construction of Questionnaire or Interview Schedule – Concept, Types of Questions. Qualitative Method: Focused Group Discussion and Case Studies. Pilot Study and Pre-testing.

Unit IV

Data Processing and Analysis: Editing, Coding, Code Book preparation, Frequency distribution, Tabulation; Diagrammatic and Graphical Representation of Data: Types, Report writing and Referencing; Agencies involved in Social Research; Ethical Considerations of Social Work Research. Research Proposal Writing.

Unit V

Social Statistics: Statistics: Meaning, Use and its Limitations in Social Work Research, Descriptive and Inferential Statistics, Measures of Central Tendency: Arithmetic Mean, Median and Mode, Measures of Dispersion: Range, Standard Deviation and Mean Deviation. Tests of significance: 't' Test, Chi-Square Test, ANOVA. Correlation: Meaning, Types and Uses. Karl Pearson's Coefficient of Correlation and Rank Correlation, Spearman's Rank Correlation.

TEXT BOOK:

- 1. Annie E. Fortune, William J. Beird, 2017. Research in Social Work, 3rd edition, Rawat Publications.
- 2. Robert C. Bogdan Sari Knopp Biklen, Qualitative Research for Education an Introduction to Theories and Methods, Fifth Edition.
- 3. Professor D. K. Karyap, 2017The Hand Book of Social Work Research and Methods, Shikar Publications.
- 4. PC. Vainketesh, 2012, Essentials of Research Methodology, Mark Publishers.

- 5. Dr. N. Arumugam, Research Methodology for Life Sciences, Saras Publications.
- 6. P. Ravi Lochanan, 2013, Research Methodology with Business Correspondence and Report Writing, Margham Publications.

REFERENCES

- 1. Ahuja R, 2010, Research Methods, Rawat Publications, Jaipur.
- 2. Alston M, Bowles W, 2012, Research for Social Workers, An introduction to methods, 3rd Edition, Australian Publications, Australia.
- 3. Babbie E, 2013, The Practice of Social Research, 13th Edition Cengage Learning, USA.
- 4. Chakraborty D, 2009, Research Methodology, SAURABH Publishing, New Delhi.
- 5. Dawson C, 2010, Introduction to Research Methods, A practical guide for anyone undertaking a Research Project, Viva Books, New Delhi.
- 6. Gupta B L, 2010, Research studies in Staff Development, Mahamaya Publishing house, New Delhi.
- 7. Pawar B S, 2009, Theory building for Hypothesis Specification in Organizational Studies, Response Books, New Delhi.
- 8. Rajathi A, Chandran P, 2010, SPSS for you, MJP Publications, Chennai
- 9. Tripathi P C, 2010, Research Methodology in Social Sciences, Sultan Chand and Sons, New Delhi.

QUESTION PATTERN SECTION A (10X2=20)

Answer ALL the Questions

- 1. Define Social Work Research.
- 2. Mention the advantages of Review of Literature.
- 3. What is Snow ball sampling?
- 4. What is the difference between Interval and Ratio variables?
- 5. What is Non Participant Observation?
- 6. Mention the advantages of Interview Guide.
- 7. Mention the types of Coding.
- 8. List any 4 agencies involved in social research.
- 9. What is "spurious correlation"?
- 10. List the two mathematical properties of Mean.

SECTION - B (5X5=25)

Answer ALL Questions

11. a) Write a detailed note on Qualitative Research.

(Or)

- b) Mention the Steps in Scientific Method.
- 12. a) Discuss the Reliability Tests used in research

(Or)

- b) How will you formulate the research Problem?
- 13. a) Differentiate Pilot Study and Pre test.

(Or)

- b) Discus the types of Secondary Data.
- 14. a) What are the ethical considerations of Social Work Research?

(Or)

- b) Discuss the types of Diagrams in Social Science Research.
- 15. a) Explain the meaning, uses, and abuses of Statistics.

(Or)

b) Discuss the process of doing 'testing of hypotheses'.

SECTION - C (3X10=30) Answer any THREE Questions

- 16. Explain the types of Hypotheses with your own example.
- 17. Describe the Probability sampling methods with illustrations.
- 18. Prepare a model interview schedule for the topic "problems of high school students in the city'.
- 19. Prepare a dummy research proposal for the topic of your own interest.
- 20. Describe the types of Correlations with examples.

YEAR – I	SOCIAL WELFARE	CODE: 19PSW22		
SEMESTER - II		HRS/WEEK: 5		
CORE – VI	ADMINISTRATION	CREDIT: 4		

After completing this course, students will:

CO1: Gain insight on HSO, NGO.

CO2: Be able to register the human service organizations and can administer it effectively.

CO3: Understand the different administration process.

CO4: Develop an understanding on various social legislations and its implementation.

CO5: Practice social legislations for the betterment of the society.

SEMESTER II		cc	COURSE CODE: TITLE OF THE PAPER: SOCIAL WELFARE 19PSW22 ADMINISTRATION						E				
									HOURS:5	CREDITS:4			
COURSE	PROGRAMME OUTCOMES				PROGRAMN	/IE SPECIFIC (OUTCOMES						
OUTCOMES	(PO)			(PSO)					_	CORE OF			
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	CO'S		
CO1	5	3	4	4	5	5	4	3	4	4	4	4.1	
CO2	5	3	5	3	4	5	4	3	4	5	4	.1	
CO3	5	3	5	4	4	5	4	3	4	5	4	1.2	
CO4	4	3	4	3	3	4	3	2	2	3	3	3.1	
CO5	4	3	4	3	4	4 3 3 4 4				3	3.6		
	Mean Overall Score								3	.82			

This Course is having **HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Human Service Organizations – Features - Non-Government, Non-Profit making and Self –Governing. Types of Human Service Organizations –By Orientation, Levels of operation and Focus. National Policy on Voluntary Sector, 2007. Organizational structure and characteristics of Human Service Organizations. Approaches to Organizational Management – Bureaucratic model, Human Relations model and System Theory.

Unit II

Basic Administration Processes: Planning, Organizing, Staffing and Directing, Controlling, Reporting and Budgeting (POSDCORB). Elements of Directing – Supervision, Motivation, Leadership, Communication, Monitoring and Evaluation. Elements of Democratic Administration: Delegation, Decentralization and Participation.

Unit III

Personnel Administration: Manpower planning, Job design, Induction, Training, Staff welfare and Service conditions. Management by Objectives as applied to Human Service Organizations. Supervision. Organizational Climate. Public Relations and Networking.

Unit IV

Financial Administration: Budgeting, Accounting and Auditing. Banking Procedures & Practices. Maintenance of books of Accounts and Financial Documents and Records. Mobilization of Financial Resources, Grants in Aid. Administrative skills — Writing reports, letters and minutes of meetings. Maintaining Records and Data Banks.

Unit V

Procedures in Registering an Organization - Societies Registration Act, 1860, Indian Trust Act, 1882, Section 3 & 25 of Indian Companies Act, 1956. Foreign Contribution and Regulation Act, 1976. Exemption from Income Tax. Administrative Structure – Memorandum, Bye laws, Constitution, Functions and responsibilities of governing board, committees and office bearers. Administrative structure at the Central, State and Local level. Social Welfare Departments. Programme of Central Social Welfare Board and State Social Welfare Board.

TEXT BOOK:

- 1. Social Work Administration and Development, New Delhi: Rawat Publication, 2009.
- 2. Sanjay Bhattacharya, 2017, Social Welfare Administration and Development, Rawat Publications.
- 3. Roger A. Lohmann, Nancy Lohmann, 2015, Social Administration, Rawat Publications.

- 4. Suresh Chandra Anne Karen Trollope, 2015, Non Governmental Organization Origin and Development, Rawat Publications.
- 5. Bradford W. Sheafor Charles J. Horejsi, 2011, Techniques and Guidance for Social Work Practice Ninth Edition, Eastern Economy Edition.
- 6. P. D Mishra, Social Work Philosophy and Methods, Inter India Publications.

REFERENCES:

- 1. Allison, M. & Kaye, J. (2005). Strategic Planning for Nonprofit Organizations, 2nd ed. New York: John Wiley & Sons.
- 2. Batra, Nitin. 2004. Administration of social Welfare in India. Jaipur: Raj Publishing House.
- 3. Bhattachary, Sanjay. 2009. Social Work Administration and Development. New Delhi: Rawat Publication
- 4. Harihar Bhattacharya, Parthasarkar and AngshumanKar (eds) (2009) The Politics of Social Exclusion in India: Democracy at the Crossroads, Routledge.
- 5. P. Subba Rao, 2017. Management and Organsiation behavior (Text and Cases) Himalaya publishing House.
- 6. Proehl, R. (2001). Organizational Change in the Human Services. Thousand Oaks, CA:
- 7. Robin Lall 2004 The Dynamics of NGO's New Delhi, Dominant Publishers.
- 8. Samvel.C. Certo And S. Trevis Certo. Modern Management. Prentice Hall of India Pvt Ltd. 2007.
- 9. Sooryamoorthy R and Gangrade K.D 2006 NGOs in India-A cross Sectional study New Delhi: Rawat.

QUESTION PATTERN

SECTION -A (10X2=20)

Answer ALL Questions

- 1. Name any two HSO's with human relations approach.
- 2. List the characteristics of human service organizations.
- 3. What do you mean by staffing?
- 4. Define decentralization.
- 5. What do you mean by induction?
- 6. Write any two advantages of networking.
- 7. What do you mean by Data Bank?
- 8. Define Budget.
- 9. Expand the following a) SSWB b) FCRA
- 10. Enlist any two acts for registration of non government organizations.

SECTION - B (5X5=25)

Answer ALL Questions

11. a) Explain in brief the systems theory for social welfare administration.

(or)

- b) Write briefly about the types of Human Service Organizations.
- 12. a) Write short notes on the administrative processes planning and organizing.

(or)

- b) Explain the elements of democratic administration.
- 13. a) What are the advantages of management by objectives?

(or)

- b) Write short notes on the following
- a) Public relations b) Organizational climate
- 14. a) Briefly explain budgeting as an essential skill for administration.

(or)

- b) Write short notes on Grants in Aid.
- 15. a) Compare and contrast the HSO's registered as Trusts and Societies.

(or)

b) Explain in brief the functions of Governing Boards and Committees.

SECTION -C (3X10=30)

Answer any THREE Questions

- 16. Critically examine the India's National Policy for voluntary sector, 2007.
- 17. Write in detail the about the elements of Direction.
- 18. Write an essay on staff welfare and service conditions in HSO.
- 19. Elaborate on mobilization of financial resources for a Human Service Organization.
- 20. Explain in detail the organizational structure and programs of State Social Welfare Board.

YEAR – I	SOCIAL POLICY AND SOCIAL LEGISLATIONS	CODE: 19PSW23	
SEMESTER – II CORE – VII		HRS/WEEK: 5	
		CREDIT: 4	

After completing this course, students will:

CO1: Learn about social policy and Indian Constitution.

CO2: Understand the Policies and Programmes in India.

CO3: Learn about social legislations legal system

CO4: Gain knowledge on social legislations.

CO5: Understand the significance of various Legislations.

SEMESTER II		C	OURSE C	ODE:		TITLE (OF THE PAPE	R: SOCIAL PO	DLICY AND S	OCIAL			
			19PSW	23		LEGISLATIONS					HOURS:5	CREDITS:4	
COURSE						PROGRAMN	1E SPECIFIC (OUTCOMES					
OUTCOMES						(PSO)					MEAN SCORE OF		
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	C	O'S	
CO1	5	3	5	3	4	5	5	4	4	4	4.2		
CO2	5	3	5	3	5	5	5	4	4	5	4	1.4	
CO3	5	3	5	3	5	5	5	4	4	5	4	1.4	
CO4	5	3	5	3	5	5	5	4	4	5	4.4		
CO5	5	3	5	3	4	5	5	4	4	4	4.2		
		Mean Overall Score									4.32		

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Social policy: Meaning, Scope, Objectives and Types - Social Welfare policy - Indian Constitution: Fundamental Rights and Directive principles of State Policy

Unit II

Policies and Programmes in India – Education, Health, Housing, Environment, Employment, Family, Child, Women, Elderly, Disabled and Backward Classes.

Unit III

Social Legislation: Meaning and Scope, Social Legislations in India, Indian Penal Code, Family Courts, Lok Adalats, The Legal Aid, Public Interest Litigation.

Unit IV

The Special Marriage Act 1955, Dowry Prohibition Act 1961, Hindu Adoption and Maintenance Act 1956, Juvenile Justice (Care and Protection of Child) Act 2015, Child Labour Abolition (Prohibition and Regulation) Amendment Act 2016, Bonded Labour Abolition Act 1976, Protection of Civil Rights Act 1955, Protection of Consumer Act 1986, Right to Information Act 2005.

Unit V

Prevention of Immoral Traffic Act 1986, 2014 Amendment of Transplantation of Human Organs Act 1994, Tamil Nadu Prohibition of Eve Teasing Act 1988, Tamil Nadu Prohibition of Ragging Act 1998, Domestic Violence Act 2005, Mahatma Gandhi National Rural Employment Guarantee Act 2005, Right to Education 2009, Protection of Children from Sexual Offences (POCSO) Act 2012, The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013, Scheduled Castes and the Scheduled Tribes (Prevention of Atrocities) Amendment Act, 2015

TEXT BOOK:

- 1. Paul Spicker, 2010, Social policy themes and approaches, 7th edition, New Delhi.
- 2. K.Shanmugavelayutham, 1998, Social legislation and and social change, Chennai.
- 3. Paul Spicker, 2008, Social Policy Themes and Approaches, Revised Second Edition, Rawat Publications.
- 4. M. Lazmikanth, Indian Polity 4th Edition, MC Graw Hill Education Media Private Ltd, Chennai.
- 5. J. Jayapalan, Constitutional History of Media, MS Publications, Chennai
- 6. UGC NET Tutor Social Work, 2014, Arihant Publications New Delhi.

REFERENCES:

1. Gaikwad, P. E. (2004) Law Basic Concepts. Pune: YASHADA.

- 2. Gangrade, K.D. Social Legislation in India (Vol-1 & Vol.2), Delhi: Concept Publishing Co.
- 3. Gaur K. D. (2004) A Text Book on the Indian Penal Code, Delhi: Universal Law Publication Co. Ltd.
- 4. Mathew, P. D. (1993) Constitution of India Simplified, New Delhi : Indian Social Institute.
- 5. Purohit, B. R. & Joshi, Sandeep (Ed) (2003) Social Justice in India, Jaipur :Rawat Publication.
- 6. Shah, Ghanshyam (1998) Social Justice- A Dialogue. Jaipur: Rawat Publication.
- 7. Shanmugavelayutham, K, 1998 Social Legislation and Social Change, VazhaValamudan Publishers, Chennai.

QUESTION PATTERN

SECTION -A (10X2=20)

Answer ALL Questions

- 1. What is the meaning of welfare?
- 2. What is social policy?
- 3. What is social security?
- 4. Who is a disabled person?
- 5. What is family court?
- 6. What is Indian Penal code?
- 7. Who is a Juvenile?
- 8. Who is a child laborer?
- 9. What is immoral traffic?
- 10. What is eve teasing?

SECTION - B (5X5=25)

Answer ALL Questions

- 11. a. Explain the objectives of social policy.
- (or) b. Explain the process of planned social change with social legislations.
- 12. a. Give details of housing policy of India.

(or)

- b. What are the programs for backward classes?
- 13. a. Explain the functions of Lok adalats.

(or)

- b. Give details of functions of legal aid.
- 14. a. Give details of special marriage act 1955.

(or)

- b. What are the important features of Bonded Labor Abolition act 1976?
- 15. a. Give details of protection of civil rights act1955.

(or)

b. Give details of Tamil Nadu prohibition of ragging act 1997.

SECTION - C (3X10=30)

Answer any THREE Questions

- 16. Explain the role of social policy in social welfare in India.
- 17. Explain the importance of health, women and social security policies in India.
- 18. Explain the use of right to information act with an example.
- 19. Explain the uses and impact of Juvenile Justice act 1986.
- 20. Explain the salient features of transplant of human organ act 1994.

YEAR – I	COUNSELING: THEORY AND	CODE: 19PSW24	
SEMESTER – II		HRS/WEEK: 5	
CORE – VIII	PRACTICE	CREDIT: 4	

After completing this course, students will:

CO1: Be exposed to the counseling, principle of counseling.

CO2: Understand the counseling process and theories.

CO3: Be aware of different settings in counseling.

CO4: Understand the family and marital counseling.

CO5: Learn the ethics and role of social worker in counseling process.

SEMESTER II		CC	OURSE CO	ODE:		TITLE (OF THE PAPE	R: COUNSEL	ING: THEOR	Y AND			
			19PSW2	24				PRACTICE			HOURS:5	CREDITS:4	
COURSE		PROGRAMME OUTCOMES			S		PROGRAMN	ME SPECIFIC	OUTCOMES				
OUTCOMES	(PO)				(PSO)					MEAN SCORE OF			
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	C	O'S	
CO1	5	4	5	4	4	4	4	3	4	4	4.1		
CO2	5	3	4	3	4	5	5	4	4	4	4	l.1	
CO3	4	3	5	3	4	5	5	4	4	5	4	1.2	
CO4	5	4	4	3	5	5	5	3	4	5	4	4.3	
CO5	5	4	5	4	4	5	5	4	4	5	4.5		
		Mean Overall Score										4.24	

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Introduction to Counseling: Meaning, Definition, Types, Needs, Importance of Counseling and Professional Counseling. Basic Principles of Counseling: Participation, Individualization, Confidentiality, Communication, Acceptance, Self-Confidence, Self Awareness and other Principles Governing the Counseling Relationship. Qualities of Counselor.

Unit II

Counseling Process: Interview and its Significance in Counseling – Use of Observation in Counseling and Understanding of Emotions in Counseling. Theories of Counseling: Psychoanalytic, Adlerian, Client Centered, Behavioural, Rational Emotion, Reality, Gestalt, Transactional analysis and Electric Theories.

Unit III

Counseling in different settings: School Counseling, Career Counseling, Industrial Counseling, Alcoholic and De-Addiction Counseling, Crisis and Trauma Counseling, Supportive Counseling with Persons Living with HIV, TB Patients, Persons with Disabilities, Counseling against Suicidal thoughts and Community Counseling. Techniques and Strategies in Counseling. Barriers to Effective Counseling Sessions; Counseling Evaluation.

Unit IV

Family and Marital Counseling: Family System – Factors affecting Communication in families – Marriage and family; Aims and types of Marriage; factors contributing to marital conflicts – Family Counseling; Infertility Counseling; Marital Therapy; Pre – Marital Counseling – Approaches to Marital therapy.

Unit V

Counselor as Professional; Ethical standards in Counseling; Relevance of counseling as a Social Work Practice; Role of Professional Social Worker in counseling field. Alternative Therapies: Art, Music, Recreation, Laughter, Play and Yoga.

TEXT BOOK:

- 1. S. Narayana Rao, 2007, Counseling and Guidance, Tata McGraw Hill publishing company limited, 2nd Edition, New Delhi.
- 2. Sister Mary Vishala, SNO, 2006, Guidance and Counseling (for teachers, parents & students), S. Chand & Company Limited, New Delh.
- 3. Robert L. Gibson, Marianne H. Mitchell, 2009, Introduction to Counseling and Guidance, PHI Learning Private Limited, New Delhi.

- 4. Colin Feltam, Windy Dryden, 2010 Brief counseling A Practical Integrative Approach, Tata McGraw Hill publishing company limited, New Delhi.
- 5. Samuel T. Gladding, 2009, Counseling A Comprehensive Profession, Pearson, New Delhi.

REFERENCES

- Egan, Gerard, 2006 The skilled helper: A problem management and opportunity, Development Approach to helping, Wadsworth publishers, Boston, USA
- 2. Mcleod & John, 2003 Introduction to Counseling, Open university press, UK
- 3. Neukrug. E, 2012 Counseling theory and practice.
- 4. Palmer, 2004 Counseling, The BAC Counseling reader, British Association for Counseling, Vol. 1 & 2,Sage publications, New Delhi, India
- 5. Rao, Narayana, 2003 Counseling and Guidance, Tata McGraw Hill, New Delhi. India
- 6. Sanders, 2002 First steps in Counseling, PCCS Books Ltd, UK.
- 7. Windy, Dryden, 2002 Handbook of Individual Therapy, Sage Publications, New Delhi.
- 8. Personality psychology, Randy J Larsen, New Delhi, 2011

QUESTION PATTERN SECTION – A (10X2=20)

Answer ALL Questions

- 1. Define Counseling.
- 2. What is self awareness?
- 3. What do you mean understanding of emotions?
- 4. What are the uses of observation in counseling?
- 5. What are the causes of marital disharmony?
- 6. What is Group counseling?
- 7. Define family.
- 8. What is conflict?
- 9. Define rehabilitation.
- 10. What are the causes of anxiety?

SECTION - B (5X5=25)

Answer ALL Questions

11. a) Explain the basic principles of counseling.

(or)

- b) Enumerate on Individualization.
- 12. a) Write a short note on Adlerian theory.

(or)

- b) Explain Rational Emotive Theory and its uses in counseling.
- 13. a) Enumerate the interviewing techniques in counseling.

(or)

- b) Explain about individual counseling.
- 14. a) Elucidate on factors affecting communication in families.

(or)

- b) Explain the causes of divorce.
- 15. a) Enumerate the functions of counselors in schools.

(or)

b) State the role of a counselor in hospital.

SECTION -C (3X10=30)

Answer any THREE Questions

- 16. Discuss the needs, importance of professional Counseling with suitable examples.
- 17. Critically analyze Transactional Analysis.
- 18. Discuss the needs and importance of Industrial counseling.
- 19. Describe the various stages of marital conflict that increase marital discord and steps to resolve them.
- 20. Evaluate the causes of mental illness and methods to promote mental health in the society.

YEAR – I	CONCURRENT FIFT D WORK	CODE: PSWF2		
SEMESTER – II	CONCURRENT FIELD WORK	HRS/WEEK : 2(15)*		
CORE PRACTICAL - II	PRACTICUM - II	CREDIT: 4		

After completing this course, students will:

CO1: Be exposed as a social worker in different settings.

CO2: Be exposed to different NGO, agency and company.

CO3: Be known to handle the client as a case worker.

CO4: Understand the group work process.

CO5: Organize Community organization programme.

SEMESTER II		COURSE CODE: PSWF2					OF THE PAPE	R: CONCURI	RENT FIELD \	VORK			
							PRACTICUM - I					CREDITS:4	
COURSE	COURSE PROGRAM				S		PROGRAMN	IE SPECIFIC	OUTCOMES				
OUTCOMES	(PO)						(PSO)					MEAN SCORE OF	
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	CO'S		
CO1	5	4	5	5	5	5	5	4	5	5	4.8		
CO2	5	4	5	5	5	5	4	4	5	5	4	1.7	
CO3	5	4	5	4	5	5	5	4	5	5	4	1.7	
CO4	4	3	5	4	5	5	5	3	5	5	4	1.4	
CO5	5	3	4	5	4	5	5	3	5	5	4.4		
		Mean Overall Score										4.6	

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

The first year students during the second semester go for practice based social work for two days in a week and expected to spend a minimum of 15 hours per week in the field. The first year students are placed in villages or hospitals or schools or NGOs or government offices or counseling centers or welfare organizations or service organization for a semester.

During the placement they have to practice all the primary methods of social work. One has to complete 5 cases in case work, two group following all the stages of group work practice with at least 10 sessions which include the formation, naming, fixing of objectives, organizing programmes based on the objectives, evaluation, sociometry and sociogram. In the community students are expected to conduct one programme or solve an issue of the community following the principles of community organization and social action. The community organization programme is being organized by each student to promote extension activities towards different villages, institutions and organizations.

Every week the students write a report of their activities and submit to the concerned field work supervisor. The supervisor conducts individual and group conference every week regularly. At the end of the semester Viva- Voce is conducted by two examiners, one being an external examiner and the other would be the supervisor. 20 marks are being awarded by the internal faculty supervisor, 20 Marks are awarded by the Agency Supervisor and 60 marks are being awarded by the external examiner.

Marks Allotments

S.	Assigned Work		Internal	External
No			Faculty	External
				Examiner
1	Case Work, Group Work, Community	40		
	Programme			
2	Presentation, Quality in	Components,		60
	Communication			
	Total		1	00

YEAR – I		CODE: 19EPS25A
SEMESTER – II	DISASTER MANAGEMENT	HRS/WEEK: 4
ELECTIVE – II (A)		CREDIT: 3

After completing this course, students will:

CO1: Be exposed to the disaster.

CO2: Learn the process of disaster management.

CO3: Understand the phases of disaster management.

CO4: Learn about Disaster Management Authority and Acts.

CO5: Gain knowledge on Role of Social Workers and Voluntary Agencies

in disaster management.

SEMESTER II		COURSE CODE:				TITLE	OF THE PAP	ER: DISASTEI	R MANAGEN	/IENT			
			19EPS25	iΑ							HOURS: 4	CREDITS:3	
COURSE		PROGRAMME OUTCOMES					PROGRAMN	1E SPECIFIC (OUTCOMES				
OUTCOMES	(PO)				(PSO)					MEAN SCORE OF			
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	C	O'S	
CO1	4	2	3	4	4	4	4	3	3	3	3	3.4	
CO2	4	2	3	4	4	4	4	3	3	3	3	3.4	
CO3	4	2	3	4	4	4	4	3	3	3	3	3.4	
CO4	4	2	3	4	4	4	4	3	3	3	3	3.4	
CO5	5	3	4	5	5	5	5	4	4	4	4 4.4		
	Mean Overall Score								3	3.6			

This Course is having **HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Disaster: Meaning, Concept and related Concepts, Disaster, Risk, Hazard. Models of Disaster - Crunch Model and Release Model. Types and Effects of Disaster. Natural Disaster: Meteorological: Storm, Cyclone. Topological: Avalanche. Telluric: Earthquake. Manmade disasters. Effects: Physical, Social, Economic, Psychological, Spatial.

Unit II

Participatory Assessment of Disaster Risk Steps - Preparation, Hazard Assessment, Vulnerability Assessment, Capacity Assessment, Key Informant Interviews and Action Planning.

Unit III

Disaster Management and Phases: Pre-disaster: Prevention, Preparation, Education Vulnerability and Preparedness. Actual Disaster: Contingency, Short-Term and Long Term Plans. 4 Rs: Rescue, Relief, Recovery and Resettlement. Post disaster: Rehabilitation and Commemorations.

Unit IV

Disaster Management Act 2005, National Disaster Management Authority and National Institute of Disaster Management. Functions of District, State and National Disaster Management Authority. Resources Mobilization, Working with Other Professionals, Working with Government and Voluntary Organizations.

Unit V

Role of Social Workers and Voluntary Agencies in disaster both at the International and National level, Role of Media in disaster, Psycho Social Support and Mental Health Services, Case Studies on Bhopal Gas Tragedy 1984, Chernobyl Disaster 1986, Tsunami 2004, Thanae 2011, Vardha 2016, Ghaja 2018 Cyclones and Riots

TEXT BOOK:

- 1. Sulphey M.M. 2016. Disaster Management, Kindle Edition. New Delhi: PHI Learning Pvt. Ltd.
- 2. Ksyama Sagar Meher, Disaster Management New Edition, Neeraj Publications.
- 3. Varun Dutt Sharma, 2009, Environmental Education and Disaster Management, CBS Publication and distributors, New Delhi.
- 4. V. Jay Nichol, 2015, Environmental Studies and Disaster Management, Rawat Publication, New Delhi.

REFERENCES

- 1. Abarquez I and Murshed Z .2004. Community-Based Disaster Risk Management: Field Practitioners' Handbook. New Delhi: Asian Disaster Preparedness Center
- 2. Anderson M and Woodrow P. 1998. Rising from the Ashes: Development Strategies in Times of Disaster. London: ITDG Publishing,
- 3. Blaikie P, Cannon T, Davis I and Wisner B. 2004. At risk: Natural hazards, people's Vulnerability and Disaster. London: Routledge.
- 4. Carter I. 2002. Preparing for disaster, PILLARS Guide, Tearfund UK.
- 5. Carter I. 2003. Mobilizing the community, PILLARS Guide, Tearfund UK.
- 6. Heijmans A and Victoria L 2001. Citizenry-Based and Development-Oriented Disaster Response. Philippines: Centre for Disaster Preparedness.
- 7. Tearfund UK. 2004. Development and Risk Reduction in the Indian State of Andhra Pradesh: A case study

QUESTION PATTERN SECTION – A (10X2=20)

Answer ALL Questions

- 1. Define disaster management?
- 2. What is hazard?
- 3. Differentiate storm with cyclone?
- 4. What is Avalanche?
- 5. Mention the need for participatory assessment.
- 6. List few action plans for Tsunami victims.
- 7. What do you mean by 'contingency'?
- 8. What is rehabilitation?
- 9. Name few NGOs in your area, working in the field of disaster management?
- 10. Mention the innovative skills required for a social worker in the field of disaster management

SECTION - B (5X5=25)

Answer ALL Questions

11. a) Explain the release model of disaster management

(or)

- b) What are the risk factors for any disaster?
- 12. a) "Man-made disaster is more dangerous than the natural disasters" justify

(or)

- b) Explain the psycho social and economical implications due to cyclone.
- 13. a) Explain the steps to be followed in vulnerability assessment

(or)

- b) What are the advantages of key informant interviews?
- 14. a) What are the methods available for doing post disaster evaluation

(or

- b) What are the rehabilitation services provided for the victims of "Thane Cyclone"
- 15. a) "Voluntary organizations are the boon for disaster management" Justify

(or)

b) Explain the role of state government in disaster management.

SECTION - C (3X10=30)

Answer any THREE Questions

- 16. Explain crisis intervention model with your own example.
- 17. Describe the socio-psychological and economic effects due to natural disaster.
- 18. Write a detailed note on capacity assessment method with example.
- 19. Discuss in detail the activities for pre-disaster management.
- 20. Describe the various methods of resource mobilization for disaster management.

YEAR – I	ENVIRONMENTAL SOCIAL	CODE: 19EPS25B
SEMESTER – II		HRS/WEEK: 4
ELECTIVE - II (B)	WORK	CREDIT: 3

Course Outcome:

After completing this course, students will:

CO1: Be exposed to the disaster management.

CO2: Understand the natural resources.

CO3: Be equipped with knowledge about biodiversity.

CO4: Understand the environmental social issues.

CO5: Be exposed to the field based visit and cause and effects of

environment.

SEMESTER II		COURS	E CODE:	19EPS251	3	TITLE OF	THE PAPER :	ENVIRONM	ENTAL SOCIA	AL WORK			
											HOURS:4 CREDITS:3		
COURSE OUTCOMES	PROGRAMME OUTCOMES (PO)					PROGRAMME SPECIFIC OUTCOMES (PSO)					MEAN SCORE OF		
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	CO'S		
CO1	5	5	4	4	5	5	5	4	4	4	4.5		
CO2	4	3	4	3	4	5	5	4	4	4		4	
CO3	3	3	3	4	4	4	3	3	4	4	3	3.5	
CO4	5	4	4	4	4	5	5	4	4	4	4	4.3	
CO5	5	4	4	4	5	5	4	5	4	4	4.4		
	Mean Overall Score								4.14				

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Introduction to Environment and Environmental Studies: Definition and Components of Environment, Relationship between the different components of Environment, Man and Environment relationship, Impact of technology on Environment, Environmental Degradation, Multidisciplinary nature of the Environment studies, its scope and importance in the present day Education System.

Unit II

Natural Resources: Renewable and non-renewable resources, Natural resources and associated problems, Forest resources, Water resources, Mineral resources, Food resources, Energy resources, Land resources, Role of an individual in conservation of natural resources, Equitable use of resources for sustainable lifestyles.

Unit III

Biodiversity and its conservation Definition: genetic, species and ecosystem diversity, Bio-geographical classification of India, Value of biodiversity, Biodiversity at global, national and local levels, Threats to biodiversity, Conservation of biodiversity.

Unit IV

Social Issues and the Environment from unsustainable to sustainable development, Urban problems and related to energy, Water conservation, rain water harvesting, watershed management, Resettlement and rehabilitation of people; its problems and concerns. Case studies, Climate change, global warming, Environmental Protection Act 1986, Public awareness Population growth, Role of Information Technology in Environment and Human Health. Role of Social Workers in Environmental Protection

Unit V

Field Work: Visit to a local area to document Environmental assets – River or Forest or Hill or Mountain. Visit to a local polluted site – Urban or or Rural or Industrial or Agricultural. Study of simple ecosystems – Pond, River, hills slopes.

TEXT BOOK:

- 1. Mel gray , John coates and Tiani Hetherington, 2013 , Environmental social work, New York.
- 2. M.M. Sulphey, Disaster management.
- 3. Ksyama Sagar Meher, Disaster Management New Edition, Neeraj Publications.
- 4. Varun Dutt Sharma, 2009, Environmental Education and Disaster Management, CBS Publication and distributors, New Delhi.
- 5. V. Jay Nichol, 2015, Environmental Studies and Disaster Management, Rawat Publication, New Delhi.

REFERENCES

- 1. Prabhakar V.K. 2000. Basic Laws on environment. (Many Volumes) Anmol Publishers. New Delhi.
- 2. Prabhakar V.K.2001. Environment and Agricultural Pollution. Encyclopedia of Environmental Pollution and Awareness in 21st Century Series. Anmol Publishers, New Delhi.
- 3. Purushotham Reddy. 2003. Environmental education. Neel Kamal Publishers, New Delhi.
- 4. Ravichand. M. 2007. Environmental Management. Concept Publishers. New Delhi.
- 5. Mohan I. 2002. Environmental Problems in 21st Century. Anmol Publishers. New Delhi.
- 6. Aravind Kumar. 2008. Environmental Resource Management. Daya Publishers. New Delhi:
- 7. Asthana. D.K. 2001. Environmental Problems and solutions. S. Chand publishers. New Delhi.
- 8. Benny Joseph. 2005. Environmental studies. Tata McGraw Hill Publishers. New Delhi:

YEAR – I	LIFE SKILLS FOR SOCIAL	CODE: 19PSWS1
SEMESTER – II		HRS/WEEK: 1
SKILL	WORKERS	CREDIT : 2

Course Outcome:

After completing this course, students will:

CO1: Be exposed to their personal skills and development.

CO2: Be determined with the communication and writing skill.

CO3: Be capable of understanding human behavior.

CO4: Be equipped with the professional skills for their future

development.

CO5: Learn the ethics and role of social worker.

SEMESTER II		COURS	E CODE:	19PSWS1	<u> </u>	TITLE OF	THE PAPER: I	LIFE SKILLS F	OR SOCIAL V	VORKERS			
											HOURS:1	CREDITS:2	
COURSE PROGRAMME OUTCOMES OUTCOMES (PO)					S		PROGRAMN	MEAN SCORE OF					
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	co's		
CO1	4	3	4	4	4	5	4	4	4	4	4		
		,	7	-		,	7	7	7	-		7	
CO2	4	3	4	4	4	4	3	4	4	4	;	3.8	
CO3	4	4	3	4	4	4	5	4	4	4		4	
CO4	5	4	5	4	4	4	5	4	4	4	4.3		
CO5	4	3	4	3	4	4	3	3	4	3	3.5		
	Mean Overall Score									3	.92		

This Course is having **HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Components:

- 1. Imparting practical knowledge on Life Skills which covers understanding self through a SWOT, Communication, Presentation skill, Interpersonal Skills such as Group Decision Making and Negotiation Skills.
- 2. Practical Exercises on Communication.

- 3. Conducting and Staging Two Street Plays in the Society or service and educational institutions by the students in group on relevant current issues of the society.
- 4. Awareness Creation Programme by the students in the Society or Service and educational institutions.

At the end of the semester Viva- Voce is conducted internally by two examiners by the faculty of the department. The students will be awarded with one credit.

Marks Allotments

Submission of Report - 20 Marks
 Presentation & Performance - 20 Marks
 Completion of Components - 20 Marks
 Skills Acquired - 20 Marks
 Learning Content - 20 Marks

YEAR – II	SUMMER PLACEMENT	CENTECTED II
	(OPTIONAL)	SEMESTER – II

At the end of I year during summer vacation, the students should do internship (non-supervised) for a period of 30 days in an agency or industry related to his or her specialization so as to utilize the Summer Vacation fruitfully to develop the professional self in oneself. There is no credit allotted for this and no examination conducted. This is to motivate students to engage in Self Learning.

Course Outcome:

After completing this course, students will:

CO1: Be exposed to the industry and social welfare organization.

CO2: Be experienced with management operation and work settings.

CO3: Be applying theoretical knowledge into practical.

CO4: Carry out research project.

CO5: Learn the ethics and role of social worker.

SEMESTER II		cc	OURSE CO	DDE:		TITLE OF T	HE PAPER: S	SUMMER PLA	ACEMENT (O	PTIONAL)			
											HOURS:	CREDITS:	
COURSE OUTCOMES	PROGRAMME OUTCOMES (PO)					PROGRAMME SPECIFIC OUTCOMES (PSO)					MEAN SCORE OF		
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	CO'S		
CO1	5	3	5	4	5	5	4	3	5	5	4.4		
CO2	5	4	5	4	5	5	4	3	5	5		4.5	
CO3	5	4	5	4	5	5	4	3	5	5		4.5	
CO4	4	5	4	5	5	4	4	4	4	4		4.3	
CO5	5	3	5	4	5	5	5	3	5	5	4.5		
	Mean Overall Score								4.44				

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Process:

- 1. The learner must volunteer to locate a setting (own choice) about two months in advance and explore the possibilities of a 4 week practice learning practice placement.
- 2. The practice learning setting should preferably have a professionally trained social worker on the team of a staff.
- 3. The department will provide official letter for undertaking training in any organization.
- 4. The learner is to record the learning and submit a comprehensive report (in the format provided by the department) at the beginning of the II academic year both to the department (compulsory) and to the setting (on requirement).
- 5. Each student is expected to make a presentation on the placement experiences before the class and faculty (in the format provided by the department).
- 6. Mark or credit is not awarded for this.

SPECIALISATION PAPER - I

COMMUNITY DEVELOPMENT SPECIALIZATION

YEAR – II	RURAL AND TRIBAL	CODE: 19PSW31A
SEMESTER – III	COMMUNITY	HRS/WEEK: 5
CORE – IX	DEVELOPMENT	CREDIT: 4

Course Outcome:

After completing this course, students will:

CO1: Be exposed to the rural community.

CO2: Be determined to the development of the community.

CO3: Be capable of understanding human behavior.

CO4: Be committed to work with the tribal community.

CO5: Be equipped with skills to work with the community.

SEMESTER III		C	OURSE C	ODE:		TITLE OF	THE PAPER:	RURAL AND	TRIBAL COM	IMUNITY			
			19PSW3	31A			D		HOURS:5	CREDITS:4			
COURSE OUTCOMES	PROGRAMME OUTCOMES (PO)					PROGRAMME SPECIFIC OUTCOMES (PSO)					MEAN SCORE OF		
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	CO'S		
CO1	5	4	5	3	4	5	5	4	4	4	4.3		
CO2	5	4	5	3	5	5	5	4	5	5	4	1.6	
CO3	5	4	5	3	5	5	5	5	4	5	4	1.6	
CO4	5	3	5	3	5	5	5	4	5	5	4.5		
CO5	5	4	5	3	4	5	5	5	5	4	4	1.5	
	Mean Overall Score							4	4.5				

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Rural Community: Meaning, Characteristics. Assessment of Needs and Problems in the Community. Participatory Rural Appraisal — Meaning, Characteristics, Principles, Tools, Steps and Limitations. Rural Organization and Rural Development. Rural Problems: Poverty, Illiteracy, Unemployment, Problems related to agriculture, Community Health.

Unit II

Community Development: Meaning, Objectives, Principles, and Models; methods; Earlier experiments in rural developments - Sriniketan Experiment and Marthandam Experiment. Rural Extension, Millennium Development and Sustainable Development Goals. Rural Development Administration and Panchayat Raj Institutions (PRI), 73rd Amendment and its Salient Features, Features of Tamil Nadu Panchayat Act 1994. Rural development Agencies: DRDA & BDO.

Unit III

Rural Development Programmes: A) Area Based - Drought Prone Area Programme (DADP), Intensive Agriculture Area Programme (IAAP) and High Yield Variety Programme, MP's & MLA's Area development programme. B) Target Based programmes: IRDP, TRYSEM, SGSY, and Employment Assurance Scheme, MGNREGA. C) Welfare Programmes: Minimum Needs Programme, ICDS, Five year Plans and Strategies for Rural Development. Community Participation.

Unit IV

Tribes: Definition, Concept, Characteristics of the Tribal Community; Nomadic and De- Notified Tribes; Regional Distribution of Tribes and Nehru's Panchasheel Principles of Tribes. Social System of Tribes: Socio economic conditions; Cultural and religious aspects; status of women: Status of Children; Tribal leadership and Political Participation -Local, State, and National levels.

Unit V

Problems of Tribes: Child Marriage, Poverty, Ill-Health, Illiteracy, Exploitation and atrocities on tribes. Tribal Resettlement and Rehabilitation and its related problems. Tribal Movements and Tribal Revolt, Naxalpari Movement. Tribal Development Programmes: Tribal Development Policies, Tribal Area Development Programme; Tribal Sub-Plans, Need and Importance of Social Work practice in Tribal areas. Problems in implementation of tribal development programmes.

TEXT BOOK:

1. Margaret Ledwith, 2006, Community Development – A Critical Approach, Rawat PublicationJaipur.

- 2. Samuel H. Taylor and Robert W. Roberts, 2013, Theory and Practice of Community Social Work, Rawat Publications, Jaipur.
- 3. Asha Ramagonda Patil, 2013, Community Organisation and Development An Indian Perspective, PHI Learning Private Limited, Delhi.
- 4. Dr. P. V. Ramana Rao, Rural Development and Poverty Alleviation Programmes NGNREGS, Aryan Publication, New Delhi.
- 5. Alison Gilchrist, Marilyn Taylor, Short Guide to Community Development.

REFERENCES:

- 1. Christopher, A J. and Thomas William. 2006. Community Organisation and Social Action. New Delhi: Himalaya Publishing House.
- 2. Devendra Thakur (1994) Tribal life in India (Ten Vols), Deep & Deep Pub., New Delhi.
- 3. Dutt&Sundaram,2013, Indian Economy, Sultan& Chand, New Delhi.
- 4. Jain, S.C.,1998 Community development and Panchayat Raj in India, AlliedPublishers Ltd., Chennai-2
- 5. Suresh Chandra, Anne Karen Trollope, 2015, Non-Governmental Organizations, Rawat Publications,
- 6. Kumar, Somesh. 2004. Participatory Method in Community Work. New Delhi: Himalya Publisher.
- 7. Sachinanda and Purnendu, 2001 Fifty Years of Rural Development in India, Firma KLM Pvt Ltd., Kolkata.
- 8. William, A. Thomas and A. J. Christopher. 2011. Rural Development concept and recent approaches. Jaipur: Rawat Publications.

QUESTION PATTERN

SECTION -A (10X2=20)

Answer ALL Questions

- 1. Define rural community.
- 2. What is poverty?
- 3. Define sustainable development.
- 4. What is MDG?
- 5. Define 'HYV'.
- 6. Explain community participation.
- 7. Who are de-notified tribes?
- 8. Define political participation.
- 9. What is tribal resettlement?
- 10. Where is Naxalbari located?

SECTION - B (5X5=25)

Answer ALL Questions

11. a) Write a note on problems related to community health.

(or)

- b) Explain rural organization and rural development.
- 12. a) Highlight the key features of the Sriniketan experiment on rural community development.

(or)

- b) Explain DRDA and its importance.
- 13. a) Write a note on DADP.

(or)

- b) Explain MLA's area development programme.
- 14. a) Discuss Nehru's Panchasheel principles on tribes.

(or)

- b) Explain with suitable examples the status of tribal women.
- 15. a) Explain tribal area development programme.

(or)

b) Write a note on tribal sub plans.

SECTION -C (3X10=30)

Answer any THREE Questions

- 16. Define PRA. Critically analyze PRA principles, tools and steps.
- 17. Critically analyze Panchayat Raj Institutions' role in rural development administration with special emphasis on Tamil Nadu Panchayat Act, 1994.
- 18. Evaluate, quoting suitable examples, the role of ICDS as welfare programme.
- 19. Portray the status of tribal leadership and political participation in India.
- 20. Examine the need and importance of social work practice in eradicating exploitation and atrocities on tribes.

SPECIALISATION PAPER - I

HUMAN RESOURCE MANAGEMENT SPECIALIZATION

YEAR – II		CODE: 19PSW31B
SEMESTER – III	HUMAN RESOURCE MANAGEMENT	HRS/WEEK: 5
CORE – IX		CREDIT: 4

Course Outcome:

After completing this course, students will:

CO1: Be exposed to the concept of human resource management.

CO2: Be determined to the process of human resource planning.

CO3: Be equipped with the knowledge on training and development.

CO4: Be capable of handling with administrative structure.

CO5: Learn the human resource development.

SEMESTER III		COURSE	CODE: 1	L9PSW31	В	TI	TLE OF THE P	APER: HUM	AN RESOUR	CE			
							M	IANAGEMEN	IT		HOURS:	CREDITS:	
											5	4	
COURSE		PROGRAMME OUTCOMES			PROGRAMME SPECIFIC OUTCOMES								
OUTCOMES			(PO)			(PSO)					MEAN SCORE OF		
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	co's		
CO1	5	3	5	3	5	5	4	4	5	5	4	.4	
CO2	5	3	5	3	5	5	4	4	5	5	4	.4	
CO3	5	3	5	3	5	5	4	4	5	5	4	.4	
CO4	5	3	5	3	5	5	4	4	5	5	4	.4	
CO5	5	3	5	3	5	5 4 4 5 5					4	.4	
	Mean Overall Score									4	.4		

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Human Resource Management: Concept, Scope, Objectives, Principles of HRM, Evolution, Approaches, Structure, Policies and Functions of Human Resource Management. Principles, Emerging trends of Competencies and Roles of HR Professionals.

Unit II

Human Resource Planning: Concept, Objectives, Need, Process. Job Analysis: Uses, Content. Job Description, Job Specification. Recruitment: Meaning, Sources and Methods of Recruitment. Selection: Meaning, Steps, Application Blank, Psychological test, Interviews and Physical Examination. Talent Acquisition: Goals, Polices, Sources and Methods. Placement and Induction. Compensation Management: Compensation structure, Factors influencing Compensation Plans and Policies. Incentive Schemes, Rewards and Recognition

Unit III

Training and Development: Meaning, Importance, Purpose, Types and Methods. Wages and Salary Administration: Definition, Objectives, Process of Wage Determination, Methods of Wage payment, Principals of Wages, Factors influencing Wage and Salary administration, Fringe Benefits. Concept of Wage and Salary – Wage Theories – Types of wages – wage differentials – wage regulators – Incentive Schemes.

Unit IV

Performance Appraisal Systems; – Transfers and Promotions – Discharge, and Superannuation Dismissal, Key Result Areas (KRA), Key Performance Indicators (KPI). Employee Retention and Separation: Attrition and Retention – Concept, - Employee benefit plans. Disciplinary procedures – Domestic enquiry – Grievance Procedure — Retirement: Exit Interview, Retirement Benefits – Voluntary Retirement Scheme.

Unit V

Contemporary trends in HRM: Corporate Social Responsibility, Benchmarking, Core Competency, Business Process Outsourcing (BPO), Business Process Reengineering (BPR), Competency Mapping, Balanced Score Card, Skill Matrix, People Capability Maturity Model (PCMM), Quality Circle, Total Quality Management (TQM) and Total Productivity Maintenance (TPM), Six Sigma and

Lean Sigma, 5S Model, and Kaizen. International Organization for Standardization (ISO)

TEXT BOOK:

- 1. VSP Rao, 2010, Human Resource Management text and cases, New Delhi: Excel Books.
- 2. Dr. S.S.Khanka, 2003 Human Resource Management text and cases S. Chand and Company Pvt. Ltd., New Delhi.
- 3. BPP Learning Media, 2009, Human Resource Management, Viva Books, New Delhi.
- 4. K. Aswathappa, 2008, Human Resource Management text and cases, Tata McGraw Hill publishing company limited, New Delhi.
- 5. P. Subba Rao, 2016, Personnel and Human Resource Management Himalaya Publishing House, New Delhi.

REFERENCES:

- 1. Andrew J. Dubrin, 2012 Essentials of Management, New York: Thomson Southwestern.
- 2. Bernadin John H, 2012, Human Resource Management, New York: McGraw Hill.
- 3. Ivancevich, 2012, Human Resource Management, New York: McGraw Hill.
- 4. Luis R.Gomez-Mejia, David B.Balkin, Robert L Cardy. 2012, Managing Human Resource. New Delhi: PHI Learning.
- 5. Monir Tayeb. 2007, International Human Resource Management. New York: Oxford University Press.
- 6. Robert L. Mathis and John H. Jackson, 2007, Human Resource Management, New Delhi: Cengage Learning.
- 7. Uday Kumar Haldar, Juthika Sarkar.2012, Human Resource management. New Delhi: Oxford University Press.
- 8. Wayne Cascio, 2007, Managing Human Resource, New York: McGraw Hill.

QUESTION PATTERN SECTION – A (10X2=20)

Answer ALL Questions

- 1. Give the meaning of Human Resource Management.
- 2. Specify two characteristics of Human Resource Management.
- 3. What is employee sourcing?
- 4. Mention two uses of maintaining an application blank.
- 5. State two employee benefit plans.
- 6. What do you understand by the term attrition?
- 7. Mention two objectives of wage administration.
- 8. Give the meaning of 'Fringe Benefits'.
- 9. What do you understand by the term 'Management Development Programme'?
- 10. Identify two features of Human Resource Development.

SECTION - B (5X5=25)

Answer ALL Questions

11. a) Briefly describe the managerial functions of Human Resource Management.

(or)

- b) Write a note on the objectives of the Human Resource Management.
- 12. a) Write short notes on the process of job analysis.

(or)

- b) Differentiate 'Placement' from 'Induction' with suitable examples.
- 13. a) State the implications of Voluntary Retirement Scheme for the scope of employment of workers.

(or)

- b) Enumerate the merits of transfers and promotions.
- 14. a) Differentiate 'Fair Wage' from 'Living Wage'.

(or)

- b) Write a note on the components of 'Earnings' and 'Deductions'.
- 15. a) State the importance of training for the employees in an organization.

(or)

b) Highlight the various features of employee counselling.

SECTION -C (3X10=30)

Answer any THREE Questions

- 16. Discuss in detail the various roles played by a Human Resource Manager in an organization.
- 17. Elaborately discuss the various sources of recruitment applicable to the industries in India.
- 18. Present a detailed note on the steps involved in handling discipline in an industry.
- 19. Give an account of the various theories relating to wage and salary administration.
- 20. Elucidate the various Human Resource Development Instruments and their implementation in organizations and compare some of the practices applicable to your field work organization.

Medical Social Work

SPECIALISATION PAPER - I

MEDICAL AND PSYCHIATRY SPECIALIZATION

YEAR – II		CODE: 19PSW31C
SEMESTER – III	MEDICAL SOCIAL WORK	HRS/WEEK: 5
CORE - IX		CREDIT: 4

Course Outcome:

After completing this course, students will:

CO1: Be exposed to the importance of social work.

CO2: Understand health care measure.

CO3: Be equipped with hospital administration.

CO4: Understand communicable and non-communicable disease.

CO5: Be applicable to work in hospital setting.

SEMESTER III		COURSE	CODE: 1	.9PSW31	С	TITLE OF THE PAPER: MEDICAL SOCIAL WORK							
											HOURS:5	CREDITS:4	
COURSE OUTCOMES		PROGRA	AMME O (PO)	UTCOME	S	PROGRAMME SPECIFIC OUTCOMES (PSO)					MEAN SCORE OF		
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	co's		
CO1	5	4	5	4	5	5	5	4	4	4	4	1.5	
CO2	4	4	4	3	4	4	4	4	5	4		4	
CO3	4	4	4	4	4	5	5	4	4	5	4	1.3	
CO4	5	4	5	5	4	5	5	4	4	5	4	1.6	
CO5	4	3	4	4	4	5 4 4 5 5						1.3	
	Mean Overall Score								4	.34			

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Medical Social Work: concept, Definition, Need of medical social work –Role and functions of medical social worker. The meaning of health, hygiene, illness and handicap: medicine through the ages; changing concept of health: concept of patient as a person. Health Indicators and Health Statistics. Historical development in Medical Social Work in the West and in India.

Trends, Scope and Limitations of Medical Social Work practice in India. Health Indicator and Health Statistics

Unit II

Health care models - medical health prevention and promotion model, integrative model and development model; holistic approach to health: alternative system of health - Ayurvedic Yoga and Naturopathy, Unani, Sidha and Homeopathy (AYUSH).

Unit III

Organization and Administration of Medical Social Work department in Hospital. Present practice and equipment of medical social work in various setting. a) Government Hospital, Corporate and Private, Specific Disease Hospitals, Specialized Clinics, Community Health Centers, Blood Banks, Eye Banks, Health Camps b) Schools for the Physically and Mentally challenged, Sheltered Workshops, Residential institutions for Physically and Mentally Challenged.

Unit IV

Communicable and Non Communicable diseases - TB, STD, AIDS, Polio. Diarrhoeal diseases. Malaria, typhoid, leprosy, leptospirosis. Major non communicable diseases - cancer, diabetes, hypertension, cardio disorders, neurological disorders, and asthma; Physically challenged, Nutritional disorders, Occupational health problems, Women's health problems, Pediatric health problems and Geriatric health problems

Unit V

Medical social work practices in different in Settings. Outpatient unit, ICU, Maternity and Pediatric ward, STD and HIV clinic, Cardiology department, TB sanatorium and Cancer hospitals. Role of Medical Social Worker in Organ Transplantation and Palliative Care Unit. Supportive services and networking for practice of medical social work teamwork in medical setting. Skills and techniques used in medical social work practice. Fund Mobilizing in Medical Social Work.

TEXT BOOK:

- 1. K. Park, Preventive and social medicine 21st edition.
- 2. K. Park, 2013, Park Text Book of Preventive and Social Medicine, M/S Banarsidas Bhanot Publishers.
- 3. John Webb, 2002, Medical Social Work: the Reference Book Paperback, Trafford Publishing.
- 4. Sarah Gehlert, Teri Browne, Handbook of Health Social Work.
- 5. Judith L. M. McCoyd, Toba Schwaber Kerson .Social Work in Health Settings: Practice in Context.
- 6. Danna R. Bodenheimer , 2015, Real World Clinical Social Work: Find Your Voice and Find Your Way, 1. New Social Worker Press.
- 7. Pondicherry Aids Control Society, 2007 Pregnancy, Byword books Private Limited.

REFERENCES

- 1. Bradshaw & Bradshaw, 2004 Health Policy for Health Care Professional, Sage Publications, New Delhi.
- 2. Sarah Ghelert, 2006 Hand book of Health Social Work, John Wiley & Co., London
- 3. Sirohi, Anand, 2005 Modern Perspectives in Social Work, Dominant Publishers, New Delhi.
- 4. Park K (2009) Preventive and Social Medicine.
- 5. Goel S.L (2007) Health Education: Theory and Practice.
- 6. Tabish S.A (2001) Hospital and Health services administration.
- 7. Goel S.L (2004) Health Care Management and Administration.

QUESTION PATTERN

SECTION -A (10X2=20)

Answer ALL Questions

- 1. Write down any two objectives of Medical social work.
- 2. Mention any two social work methods which are practiced in hospital setting.
- 3. What is Team Work?
- 4. What is illness? Differentiate from disease.
- 5. What is Naturopathy?
- 6. What is sheltered workshop?
- 7. Expand HIV & STD.
- 8. Mention any two techniques used in Medical Social Work.
- 9. Write any two Occupational problems.
- 10. What are Supportive services?

SECTION - B (5X5=25)

Answer ALL Questions

11. a) Define Medical Social Work and write down the scope of Medical Social Work.

(or)

- b) Define the concept of illness and its types.
- 12. a) Briefly write a note on Preventive model of health care

(or)

- b) Discuss the limitations of practicing Medical Social Work.
- 13. a) Explain the functions of medical social work department in a hospital.

(or)

- b) Differentiate impairment, disability and handicapped with examples.
- 14. a) Write a short note on Geriatric health problems.

(or)

- b) What is a non communicable disease? List down the major non communicable diseases.
- 15. a) Explain the importance of networking in the practice of Medical Social Work.

(or)

b) Discuss the scope of practicing Medical Social Work in Schools.

SECTION – C (3X10=30)

Answer any THREE Questions

- 16. Explain elaborately on the historical development of Medical Social Work in India and in the West.
- 17. Write in detail the different models of health care.
- 18. Explain the role of social worker in dealing with persons with disability.
- 19. Write an essay on Nutritional Disorders.
- 20. Describe the various skills required for a Medial Social Worker.

SPECIALISATION PAPER - II

COMMUNITY DEVELOPMENT SPECIALIZATION

YEAR – II	LIDDANI COMMUNITY	CODE: 19PSW32A
SEMESTER – III	URBAN COMMUNITY	HRS/WEEK: 6
CORE - X	DEVELOPMENT	CREDIT: 4

Course Outcome:

After completing this course, students will:

CO1: Be exposed to the urban communities.

CO2: Be aware of slum legislation.

CO3: Understand urban community development.

CO4: Be capable of handling urban administrative structure.

CO5: Learn the role of stake holders in urban community development.

SEMESTER III		-	OURSE C			TITLE OF THE PAPER: URBAN COMMUNITY DEVELOPMENT					HOURS:5	CREDITS:4	
COURSE OUTCOMES		PROGR	AMME (PO)	OUTCOME	S	PROGRAMME SPECIFIC OUTCOMES (PSO)					MEAN SCORE OF		
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	co's		
CO1	5	4	5	3	4	5	5	4	4	4	4	1.3	
CO2	5	4	5	3	5	5	5	4	5	5	4	1.6	
CO3	5	4	5	3	5	5	5	5	4	5	4	1.6	
CO4	5	3	5	3	5	5	5	4	5	5	4	1.5	
CO5	5	4	5	3	4	5 5 5 5 4			1.5				
		Mean Overall Score								4	1.5		

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Urbanization: Concept, Characteristics and Theories. Related Concepts: Corporation, Municipality, Town, City, Metropolis, Megapolis, Suburbs, Satellite Town, Smart Cities, Hinterland, Agglomeration, and Urbanism. Urbanization and Social Problems Urban Problems: Pollution, Crime, Accidents, Commercial Sex Work, Drug Addiction, Housing, Human Trafficking, Juvenile Delinquency, Urban Traffic Problems and Suicide.

Unit II

Slums: Definition, Causes, Characteristics, Socio-Psychological Issues of Slum Dwellers, Effect of Industrialization and Globalization on Slum. Displacement and Rehabilitation. Slum Clearance Board and its functions. Tamil Nadu Slum Area (Clearance and Improvement) Act 1971. National Slum Development Programme. Urban Development Policy, Town planning and Rules of town planning. Urban Services and Urban Deficiencies, Housing and Urban Development Corporation (HUDCO).

Unit III

Urban Community Development: Meaning, Scope. Early Development Interventions: SPARK Mumbai, People Project of Action Aid, Oxfam, Unorganized Workers' Federation, National Domestic Workers Movement, National Slum Dwellers Federation. Welfare Extension Projects of Central Social Welfare Board. Problems in implementation of Urban Community Development Programmes.

Unit IV

Urban Municipal Administration- Structure, Composition, Functions and Current issues. Democratic functioning of Urban local bodies, 74th Constitutional Amendment, Governance and Citizen's Participation. E-Governance in Urban Development, National Urban Information System (NUIS).

Unit V

Urban Community Development Programme: Five Year Plans and Urban Development. Major National Missions: JNNURM (AMRUT), Housing for all 2022. Institutions and Government departments for Urban Development: CMDA, TNHB, TNSCB, CMWSSB. Urban Training Institutions: TNIUS, NIUA. Role and skills of Community Development Worker in Urban Community Development. Mechanisms to address Urban Social Concerns: 108 Service, Women Helpline, Child helpline.

TEXT BOOK:

- 1. Jacob Z. Thudipara, 2017, Urban community development second edition, Rawat Publications, New Delhi.
- 2. Samuel H Taylor, 2017, Theory and Practice of Community in Social Work, Rawat Publications, Jaipur.

- 3. Margaret Ledwith, 2006, Community Development a Critical Approach, Rawat Publications, Jaipur.
- 4. Dr. P. V. Ramana Rao, 2018Rural Development and Poverty Alleviation Programmes, Aryan Publications New Delhi.
- 5. Asha Ramagonda Patil, 2013, Community Organization and Development in Social Work an Indian Perspective, PH Learning Private Ltd Delhi.
- 6. UGC NET Tutor Social Work, ,2014, Arihant Publications New Delhi.

REFERENCES:

- 1. Ashish Bose, 2001 India's Urbanization, Institute of Economic Growth, McGraw Hill, New Delhi.
- 2. Bala, 2000 Trends in Urbanization in India, Patel enterprises, New Delhi
- 3. Bhattacharya B, 2000 Urban Development in India, Shree Publishing House, New Delhi.
- 4. Census of India Government of India Publication, 2011.
- 5. H.U.Bijlani, 2013, Urban Problem, Centre for Urban Studies, Lipa, New Delhi
- 6. Harper Collins, 2014, Transforming our Cities.
- 7. Urbanisation and Urban System in India, Oxford University Press, New Delhi. Mitra,

QUESTION PATTERN

SECTION -A (10X2=20)

Answer ALL Questions

- 1. What is Urbanism?
- 2. What is urbanization?
- 3. What is UBSP?
- 4. What is Town Planning?
- 5. What is Urban Planning?
- **6.** What is Urban Development?
- 7. Mention any two problems of Municipality.
- **8.** Mention any two functions of Municipality.
- **9.** Mention any two uses GIS in urban development.
- 10. Mention any two limitations of GIS.

SECTION - B (5X5=25) Answer ALL Questions

11. a) Explain the theories of Urbanization.

(or)

- b) Give details of problem of pollution in urban areas.
- 12. a) Explain the characteristics of slum in India.

(or)

- b) Explain problems of implementing urban community programmes.
- **13.** a) Explain the salient features of town and country planning act.

(or)

- b) Explain the origin of urban community development.
- **14.** a) Explain the functions of municipality.

(or)

- b) Explain the functions of metropolitan development authority.
- **15.** a) Explain impact of GIS on urban development.

(or)

b) Explain the nature of GIS.

SECTION - C (3X10=30)

Answer any THREE Questions

- 16. Explain various urban social problems in India.
- **17.** Explain the various programmes for slum dwellers in India.
- 18. Differentiate urban development and urban community development.
- **19.** Explain the history of local self government in India.
- **20.** Explain the various uses of GIS with Examples.

SPECIALISATION PAPER - II

HUMAN RESOURCE MANAGEMENT SPECIALIZATION

YEAR – II	LABOUR LEGISLATIONS AND	CODE: 19PSW32B
SEMESTER – III		HRS/WEEK: 6
CORE - X	LABOUR WELFARE	CREDIT: 4

Course Outcome:

After completing this course, students will:

CO1: Understand labour system.

CO2: Be aware of working environment and legislations.

CO3: Learn about the labour classification.

CO4: Understand the wage legislation.

CO5: Learn about the social legislation.

SEMESTER III		COURSE	CODE: 1	L9PSW32	В	TITLE OF THE PAPER: LABOUR LEGISLATIONS AND LABOUR WELFARE					HOURS :6	CREDITS:4	
COURSE OUTCOMES		PROGRA	AMME O (PO)	UTCOME	S		PROGRAMN	MEAN SCORE OF					
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	co's		
CO1	5	3	5	4	5	5	4	4	4	5	4	1.4	
CO2	5	4	4	3	5	5	4	3	4	4	4	l.1	
CO3	5	3	5	4	5	5	4	4	4	5	4	1.4	
CO4	5	4	4	3	5	5	4	3	4	4	4	l.1	
CO5	4	4	4	3	4	4	2	4	4	4	3.7		
	Mean Overall Score								4	.14			

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Labour- Concept, Labour Legislation, Concept, Objectives, Importnce and Principales. Industrialization — Labourers at various occupations. Characteristics of Indian Labour - Labour Problems in India - Labour Welfare: Concept, need, objectives, principles, theories, scope, limitations. Classification

Administration of labour, - Central and State level . Labour Welfare Officer : Qualifications, Roles and Responsibilities.

Unit II

Legislations relating to working condition and safety- The Factories Act of 1948, The Mines Act 1952, The Motor Transport Workmen Act 1961, Plantation Labour Act 1951, Tamil Nadu Shops and Establishment Act 1947. The Tamil Nadu Catering from Establishment Act 1952.

Unit III

Contract Labour (Regulations and Abolition) Act 1970, The Apprenties Act 1961, Tamilnadu Industrial Establishment (National and Festival Holidays) Act 1958 and the Amendment of this Act, 2017, Labour Code on Industrial Relations Bill 2019.

Unit IV

Wage Legislations: Workmen's Compensation Act 1923, Payment of wages Amendment Act 2017, Minimum wages Act 1948, Payment of Bonus Act 1965, Equal Remuneration Act1976.

Unit V

Social Security Legislations: Employees State Insurance Act 1948, Employees Provident Fund Act 1952, Payment of Gratuity Act 1972, Maternity benefit Act 1961.

TEXT BOOK:

- 1. S.C. Srivastava, 1995, Labour law in factories, mines, plantations, transport shops & other industrial establishments, New Delhi.
- 2. Punekar Deodhar Sankaran, 1992, Labour Welfare Trade Unionism and Industrial Relations, Himalaya Publishing House.
- 3. RC Saxena, SR Saxena, 1998, Prakashan Kendra, Labour Relations in India.
- 4. SC Srivastava, 1995, Industrial Relations and Labour Laws, Vikas Publishing House, Pvt Ltd.
- 5. RC Saxena, K Nath, 1996, Labour Problems and Social Welfare, Co Meeru Publications.
- 6. UGC NET Tutor Social Work, Arihant Publications New Delhi,2014

REFERENCES:

- 1. Babu Sharath and Rashmi Shetty. 2007. Social Justice and Labour Jurisprudence. New Delhi: SAGE Publication.
- 2. Kapoor, N.D. 1993. Elements of Industrial Law. New Delhi: Sultan Chand & Sons.
- 3. Kapoor, N.D. 1995. Hand Book of Industrial Law. New Delhi: Sultan chand & Company.
- 4. Ramaswamy, E.A. & Uma Ramaswamy. 1981. Industry and Labour: An Introduction New Delhi: Oxford University Press.
- 5. Vaidyanathan, S. 1986. Factory Laws Applicable in Tamilnadu, Vols: 1,2,3, Madras:Madras Bood Agency.

QUESTION PATTERN

SECTION -A (10X2=20)

Answer ALL Questions

- 1. Give the meaning of Labour.
- 2. What is Labour Welfare?
- 3. Write any two legislations relating to the working condition and safety of the workers.
- 4. Write any two legislations enacted in the year 1952.
- 5. Mention any two legislations relating to industrial relations.
- 6. Write the names of the legislations relating to employment.
- 7. What is Bonus? How it is generally calculated?
- 8. Write the difference between wage and salary.
- 9. Give the meaning of Social Security.
- 10. What do you understand by the term Provident fund?

SECTION - B (5X5=25)

Answer ALL Questions

11. a) Describe the characteristics of Indian Labour.

(or)

- b) Write a short note on Industrialization.
- 12. a) Explain the sections relating to working conditions for the employees in Factories Act.

(or)

- b) Discuss the salient features of Plantation Labour Act.
- 13. a) Explain the important sections of the act which talks about standing orders.

(or)

- b) Give the salient features of contract labour act.
- 14. a) Write a short note on minimum wages act.

(or)

- b) Write the significance of payment of bonus act.
- 15. a) Explain the importance of ESI act.

(or)

b) Discuss the scope of maternity benefit act.

SECTION -C (3X10=30)

Answer any THREE Questions

- 16. Explain the role and functions of a Labour Welfare Officer.
- 17. Write in detail the sections relating to the safety of the workers.
- 18. Explain the role trade unions and its related acts in industries.
- 19. Write an essay on Equal remuneration act.
- 20. Describe the salient features of Payment of gratuity act.

SPECIALISATION PAPER II

MEDICAL AND PSYCHIATRY SPECIALIZATION

YEAR – II	NACNITAL LICALTIL AND COCIAL	CODE: 19PSW32C
SEMESTER – III	MENTAL HEALTH AND SOCIAL	HRS/WEEK: 6
CORE - X	WORK	CREDIT: 4

Course Outcome:

After completing this course, students will:

CO1: Be exposed to the mental health.

CO2: Learn about stress and coping mechanism.

CO3: Gain knowledge about psychiatric assessment.

CO4: Understand the neurotic and psychotic disorder.

CO5: Learn about the childhood disorder.

SEMESTER II		COURSE	CODE: 1	L9PSW32	С	TITLE OI	TITLE OF THE PAPER: MENTAL HEALTH AND SOCIAL WORK			HOURS:6	CREDITS:4	
COURSE OUTCOMES (CO)	PROGRAMME OUTCOMES (PO)				PROGRAMME SPECIFIC OUTCOMES (PSO)				MEAN SCORE OF			
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	CO'S	
CO1	4	4	5	4	5	4	4	5	4	5	4.4	
CO2	4	4	4	5	4	4	5	4	4	4	4.2	
CO3	5	4	5	4	4	5	5	4	4	4	4.4	
CO4	4	4	4	3	4	5	5	4	4	4	4.1	
CO5	5	4	5	4	5	5	5	4	4	5		4.6
	Mean Overall Score						4.34					

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Mental Health: Meaning, Definition. History and Scope of Psychiatric Social Work; Changing Perspective of Psychiatric Social Work; Mental Health and Wellbeing in India. India view of Mental Health and Well Being. Attitudes and Beliefs Pertaining to Mental Illness in Ancient, Medieval and Modern Times.

Unit II

Stress and Coping: Stress and Mental Health Factors influencing Stress among Children, Adolescents, Women, Workers, Elderly and related to Physical Illness, Coping with Stress, Emotions and Crisis.

Unit III

Psychiatric Assessment and Intervention: History Taking and Mental Status Examination, Psycho Social and Multidimensional Assessment of Mental Disorders in Psychiatric Social work. Common Mental Disorders - Symptoms, Causes and Treatment of Neuroses, Psychoses Psycho Physiological Disorders, Personality Disorders. 2017 Amendment of Mental Health Act 1987.

Unit IV

Neurotic and Psychotic Disorder: Anxiety, Phobia, Obsessive Compulsive Disorder, Posttraumatic Stress Disorder and Psycho Somatic Disorder. Alcoholism, Drug abuse and Suicide. Mental Retardation and Alzamirs disease, sexual deviation, epilepsy, culture bound syndrome.

Unit V

Childhood Disorders: Autism and Infantile Schizophrenia, Attention Deficit and Hyperactivity Disorder, Behaviour and Habit Disorder, Disorders associated with Eating, Speech and Sleep, Scholastic backwardness, Identity Crisis. National Mental Health Programmes.

TEXT BOOK:

- 1. K. Park, 2013, Park Text Book of Preventive and Social Medicine, M/S Banarsidas Bhanot Publishers.
- 2. Niraj Ahuja, 2011, A Text Book of Psychiatry, Jaypee Brothers Medical Publishers (pvt) Ltd.
- 3. Randy J. Larsen, David M. Buss, 2011, Personality Psychology, Tata McGraw Hill Edition.
- 4. Colin Pritchard. Mental Health Social Work.
- Jacqueline Corcoran, Mental Health in Social Work: A Casebook on Diagnosis and Strengths Based Assessment (DSM 5 Update) with Pearson eText -- Access Card Package,

REFERENCES

- 1. Abelin, T. Brzenski and V.D. Car stairs. Measurement in Health Promotion and Protection. Copenhagen: WHO.
- 2. Francis, C. M. 1991. Promotion of Mental Health with Community Participation. Kerala: The Center for Health Care Research and Education.
- 3. Jay, Pee. 1994. Diagnostic and Statistical Manual of Mental Disorders (DSM IV). New Delhi: Oxford Press.
- 4. Bhugra, Gopinath, Vikram Patel, 2005 Handbook of Psychiatry- A South Asian Perspective. Byword Viva Publishers Pvt.Ltd., Mumbai
- 5. WHO, 2004 The ICD-10 Classification of Mental and Behavioral Disorders, Diagnostic Criteria for Research, AITBS Publishers and Distributors, Delhi
- 6. Kappur. M. Sheppard. Child Mental Health-Proceedings of the Indo-US symposium.
- 7. Mane P. & Gandevia K. 1994. Mental Health in India Issues and Concerns; Tata Institute of Social Sciences, Mumbai.
- 8. World Health Organization. Geneva. 1992. The ICD 10 Classification of Mental and Behavioral disorders, Clinical Description and Diagnostic Guidelines; Oxford University. Press

QUESTION PATTERN SECTION – A (10X2=20)

Answer ALL Questions

- 1. What is psychiatric social work?
- 2. What is well being?
- 3. What is mental health?
- 4. What is stress?
- 5. What is neurosis?
- 6. What is psychosis?
- 7. What is drug abuse?
- 8. What is epilepsy?
- 9. What is hyperactivity?
- 10. What is identity crisis?

SECTION - B (5X5=25)

Answer ALL Questions

11. a. What is the scope of psychiatric social work?

(or)

- b. What are the changing trends in psychiatric social work?
- 12. a. What are the stresses among adolescents?

(or)

- b. What are the stresses for women workers?
- 13. a. What are the causes for neuroses?

(or)

- b. Explain the process of multidimensional assessment.
- 14. a. What are the causes for suicidal tendencies?

(or)

- b. What is the treatment for drug abuse?
- 15. a. Explain the symptoms of mental retardation.

(or)

b. Explain the nature of culture bound syndrome.

SECTION -C (3X10=30)

Answer any THREE Questions

- 16. Explain the characteristics of psychiatric social work in India.
- 17. Explain the various causes of stress among different types of people.
- 18. Explain the process of psychiatric assessment with examples.
- 19. Explain the causes, symptoms and treatment for alcoholism.
- 20. Explain the various childhood disorders

YEAR – II	CONCURRENT FIELD WORK	CODE: PSWF3
SEMESTER – III		HRS: 10
CORE PRACTICAL – III	PRACTICUM – III	CREDIT: 4

After completing this course, students will:

CO1: Gain social workers professional knowledge on different settings.

CO2: Learn about human resource management.

CO3: Be exposed on role of medical social worker in hospital settings.

CO4: Understand the community problem.

CO5: Organize group work and community organization programme.

SEMESTER III		COUR	SE CODE	: PSWF3		TITLE (TITLE OF THE PAPER: CONCURRENT FIELD WORK							
		PRACTICUM – II							HOURS :10	CREDITS:4				
COURSE	PROGRAMME OUTCOMES			S		PROGRAMN	ME SPECIFIC (OUTCOMES						
OUTCOMES	(PO)							(PSO)				SCORE OF		
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	C	CO'S		
CO1	5	4	5	3	5	5	4	3	5	5	4	4.4		
CO2	5	4	5	4	5	5	5	4	5	5	4	1.7		
CO3	5	4	5	4	5	5	5	4	5	5	4	1.7		
CO4	5	4	5	4	5	5	5	4	5	5	4.7			
CO5	5	3	5	4	5	5	5	4	5	5	4.6			
	Mean Overall Score								4	.62				

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

The second year students during the third semester go for practice based social work for two days in a week and expected to spend a minimum of 15 hours per week in the field. The students are placed in villages or hospitals or schools or NGOs or government offices or counseling centers or welfare organizations or service organization or industries according to their field of specialization for a semester.

During the placement they have to practice all the primary and secondary methods of social work in their respective fields of specialization. During the placement the students are expected to learn about the vision, mission, philosophy, administration, strategies, programmes, activities, achievements and also involve with the activities of the organization to whatever extent possible.

The students also undertake any assignments given to them by the agency, they may also undertake any research for the organization. The community organization programme is being organized by each student to promote extension activities towards different villages, institutions and organizations.

Every week the students write a report of their activities and submit to the concerned field work supervisor. The supervisor conducts individual and group conference every week regularly. At the end of the semester Viva- Voce is conducted by two examiners, one being an external examiner and the other would be the supervisor. 20 marks are being awarded by the internal faculty supervisor, 20 Marks are awarded by the Agency Supervisor and 60 marks are being awarded by the external examiner.

Marks Allotments

Specialization - Community Development

S.	Assigned Work	Internal	External
No		Faculty	External
			Examiner
1	Organization Profile, Group Work, Community	40	
	Organization Programme		
2	Presentation, Quality in Components,		60
	Communication		
	Total	1	00

Specialization – Human Resource Management

S.	Assigned Work	Internal	External
No		Faculty	External
			Examiner
1	Organization Profile, Role of Human Resource	40	
	Management Department, Community Organization		
	Programme		
2	Presentation, Quality in Components,		60
	Communication		
	Total	1	00

Specialization - Medical and Psychiatric

S.	Assigned Work	Internal	External
No		Faculty	External
			Examiner
1	Organization Profile, Case Work, Community	40	
	Organization Programme		
2	Presentation, Quality in Components,		60
	Communication		
	Total	1	00

YEAR – II	NATIONAL SOCIAL WORK	CODE: 19PSWE2
SEMESTER – III	PERSPECTIVES – AN	CDEDIT . 2
EXTENSION – II	ACADEMIC VISIT	CREDIT : 2

National Social Work Perspectives – An Academic Visit is a part and parcel of the field work to training in social work education. It is compulsory for final year students as a part of social work training. Students will be visiting various reputed organization at the national level related to their field of Specialization and understand the functioning of such successful organizations. The students need to prepare the report of the Academic Visit and present it during the Viva. Vice-voce examination is conducted internally for 100 marks. After the Internal Viva-voce, the students are awarded with 2 credits.

Course Outcome:

After completing this course, students will:

CO1: Experience group dynamics.

CO2: Be exposed to the various socio-cultural patterns.

CO3: Understand the functioning of successful organizations.

CO4: gain awareness on Implementation and execution of tasks.

CO5: Be exposed to different atmosphere.

SEMESTER III	COURSE CODE: 19PSWE2			TITLE OF THE PAPER: NATIONAL SOCIAL WORK PERSPECTIVES – AN ACADEMIC VISIT					HOURS:	CREDITS:2			
COURSE OUTCOMES	PROGRAMME OUTCOMES (PO)					PROGRAMME SPECIFIC OUTCOMES (PSO)					MEAN SCORE OF		
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	C	:O'S	
CO1	5	3	4	3	5	5	5	4	5	5		4.4	
CO2	4	3	4	3	4	4	4	3	3	4		3.6	
CO3	5	3	4	3	4	4	4	3	4	4		3.8	
CO4	5	5	5	5	5	5	4	4	5	5	4.8		
CO5	5	3	4	3	5	5	5	4	5	5	4.4		
	Mean Overall Score								1	4.2			

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Academic Visit Process

The students are involved in the entire planning of the Academic Visit-beginning from the selection of the places for visit, getting prior permission, drafting the schedule for the entire visits & arranging for travel and accommodation. Two faculties would be in charge for the Visit. They would be guiding the students in the whole process of planning and execution and also accompanying them for the visits.

Tasks to be carried out

- 1. Actively take part in the process of planning for the Academic Visit.
- 2. Formation of committees, allocation and execution of concerned responsibilities.
- 3. Respecting individuality and accommodating oneself for the cause of the group.
- 4. Implementing the suggestions and guidance of the Faculty.

Skills to be acquired

Skills in Planning, Organizing, Execution, Group Living, collateral contacting, Rapport Building, Budgeting, Accounting, Time Management, Leadership etc.

YEAR – II	COMPUTER	CODE: 19PSW33
SEMESTER – III	APPLICATION IN SOCIAL	HRS/WEEK: 6
CORE - XI	WORK	CREDIT: 4

After completing this course, students will:

CO1: Be exposed to the fundamentals of computer.

CO2: Gain Knowledge on office applications.

CO3: Understand the usage of SPSS in the field of Social Work research.

CO4: Be capable of creating data file and to develop practical knowledge.

CO5: Be aware of applications of Statistical Calculation.

SEMESTER III		CC	OURSE C	ODE:		TITLE OF THE PAPER: COMPUTER APPLICATION IN				ION IN			
	19PSW33 SOCIAL WORK								HOURS:5	CREDITS:4			
COURSE OUTCOMES		PROGRAMME OUTCOMES (PO)					PROGRAMME SPECIFIC OUTCOMES (PSO)					SCORE OF	
(CO)		1		1	1		1					:0'S	
(00)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	C		
CO1	5	3	5	5	3	5	2	4	3	4	3.9		
CO2	5	3	5	5	3	5	2	5	3	4		4	
CO3	5	3	5	5	3	5	2	5	3	4		4	
CO4	5	3	5	5	3	5	2	4	3	4	:	3.9	
CO5	5	3	5	5	3	5	2	4	3	4	3.9		
	Mean Overall Score								3	3.94			

This Course is having **HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Fundamentals of a Computer: Meaning, Characteristics, basic operations – input, storage, processing, output, ALU and control. Devices of a computer hard ware, software, types of software – application, system, utility. Meaning

of programme. Computer language – machine, assembly high level. Assembler, interpreter and compiler, operating system.

Unit II

Office Applications: MS Office (MS Word, MS Excel or Spreadsheets, PowerPoint. Internet and browsing E-Mail, Use of Internet in Research. Practicals – creating document, excel, power point and mail merge.

Unit III

Statistical Package for Social Science: Basics of Statistical analysis – population, sample, case, case number, variable, variable level, types of variable – numeric, string, alphanumeric, system missing value, user defined missing value, code book and code sheet, types of statistics, statistical tests, types of analysis. Structure of SPSS windows.

Unit IV

Creating data file, syntax file and output file: Defining data, Variable name, Variable label Values, value labels. Editing data file, adding cases, adding variables, saving files, retrieving data files, printing data file. Recoding of data. Practicals — creating data file, syntax file, Output file, Recoding of Data. Exporting output file to Ms-Word.

Unit V

Analysis of data: Univariate and Bivariate Analysis, charts and diagrams. Editing of table and charts, exporting tables and charts in Word document. Interpretation of data, Application of Statistical Calculation and Test, Measurement of Central Tendency, Dispersion, 't' test, Chi-square Test. Application of Correlation, Regression. ANOVA. Practicals – Creating frequency table, Cross tables, Charts, Statistical tests – Chi square test, t test.

TEXT BOOK:

- 1. Saxena, Sanjay. 1999. A First Course in Computers. Vikas Publishing House Pvt. Ltd. New Delhi.
- 2. V. Rajaraman, 2001, Fundamentals of Computers, Eastern Economy Edition.
- 3. Alexis Leon, 2013, Computer Applications in Business, Vijay Nicole imprints Pvt Ltd.

- 4. Computer Literacy Programme (CLP), 2011Vijay Nicole Imprints Private Ltd.
- 5. UGC NET Tutor Social Work, Arihant Publications New Delhi, 2014.

REFERENCES:

- 1. Foster, J.J. 1998. Data Analysis Using SPSS for Windows. Sage Publications Ltd. London.
- 2. Kelle, V. 1998. Computer Aided Qualitative Data Analysis. Theory, Methods and Practice. Sage Publications Ltd. London.
- 3. Mansfield, Ron. 1997. The Compact Guide to Microsoft Office Professional. Sybex Computer Books Inc. USA.
- 4. Saxena, Sanjay. 1999. A First Course in Computers. Vikas Publishing House Pvt. Ltd. New Delhi.
- 5. Singh and Singh. 1998. Windows 95 Illustrated. Asian Publishers. New Delhi.
- 6. Spencer, D.D. 1998. The Illustrated Computer Dictionary. Bell and Howell Company. USA.
- 7. Sundarajan, K. 1998. Internet. Kandadasan Pathippagam. Chennai.
- 8. Taxali, R.K. 1998. PC Software for Windows Made Simple. Tata MC Graw-Hill Publishing Company Ltd. New Delhi.

QUESTION PATTERN

SECTION -A (10X2=20)

Answer ALL Questions

- 1. What are the fundamentals of computer?
- 2. What is input?
- 3. What is OS?
- 4. Mention any two features of word processing?
- 5. What are the uses of power point?
- 6. What is SPSS?
- 7. What is variable?
- 8. What is data?
- 9. What is analysis?
- 10. What is 't' Test?

SECTION – B (5X5=25)

Answer ALL Questions

11. a. Explain the devices of Computer?

(or)

- b. What is windows in Computer?
- 12. a. How will u create a structure in window?

(or)

- b. What are the uses of windows Excel?
- 13. a. Explain about Samples?

(or)

- b. What are the types of analysis?
- 14. a. How will you create a data file?

(or)

- b. How will you export a file to MS-Word?
- 15. a. What is Chi-Square test?

(or)

b. What is interpretation of data?

SECTION – C (3X10=30)

Answer any THREE Questions

- 16. Explain the fundamentals of computer?
- 17. Explain the presentation packages?
- 18. Explain variables and its types?
- 19. What is recording of data?
- 20. Explain the following; regression, correlation, ANOVA?

VEAD II		CODE:
YEAR – II	CORPORATE SOCIAL RESPONSIBILITY	19PSW33A
SEMESTER – III	& SOCIAL ENTERPRENEURSHIP	HRS/WEEK: 4
CORE PAPER - XVII (B)		CREDIT: 2

After completing this course, students will:

CO1: Understand the concept of CSR.

CO2: Be exposed to the CSR implementation.

CO3: Understand CSR in different settings.

CO4: Learn the models in CSR. **CO5:** Gained the CSR guidelines.

SEMESTER III		COURSE	CODE: 1	L9PSW33	Α	TITLE OF THE PAPER: CORPORATE SOCIAL RESPONSIBILITY & SOCIAL ENTERPRENEURSHIP					HOURS:4	CREDITS:2
COURSE OUTCOMES	COMES (PO)				S	PROGRAMME SPECIFIC OUTCOMES (PSO)					MEAN SCORE OF	
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	CO'S	
CO1	5	4	4	4	4	4	3	4	4	4	4	
CO2	5	4	5	4	4	5	4	4	5	4	4.4 4.4	
CO3	5	4	5	4	5	5	4	4	4	4		
CO4	5	4	4	4	4	5	4	5	4	4	4	4.3
CO5	5	4	5	5	4	5	3	4	4	4	,	4.3
						Mean Overall Score					4	.28

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

ELECTIVE - III

UNIT - I

Corporate Social Responsibility Definition, Concepts, Overview of Corporate Social Responsibility, Concentration areas; Needs to be Social responsibility; Corporate Social Responsibility in Indian context and International; Business ethics and Corporate Social Responsibility; Phases of CSR. Legal Provisions and

specification on CSR; Difference between CSR and CSI (Corporate Social Initiatives)

UNIT - II

Skills and Techniques in CSR Corporate Community Participation and Role and Skills of Social Worker in CSR; Corporate Perspective on building successful partnership; Tools and Techniques; Roles and skills: Advocacy, Administration, Marketing, Mediating, Budgeting, Organizing, Documenting, Presenting, Public speaking, Teaching, Supervising and Reporting.

UNIT-III

Case Studies of Successful CSR Initiative AMM Foundation, Bajaj Auto, Coca – Cola India, NLC, Hindustan Lever, Infosys, Wipro, Ranbaxy, TATA, LXT, Titan, TVS, MRF, Saint Gobain, Orchid and ACC. Implementation of CSR in Market place and Work place, CSR in the Communities, CSR in the ecological environment.

UNIT-IV

Social Entrepreneurship Concept, Definition, Importance of Social Enterprise and Entrepreneurship; Social Entrepreneurship and Business Entrepreneurship; Social Entrepreneurs and Social Change; Types of Social Enterprises; Growth and Performance of Social Enterprises in India; Relationship between Social Enterprise, State and Civil Society.

UNIT-V

Mobilizing and Managing Capital for Social Enterprises Aid agencies; Government, Corporate and Community support; Financial accountability; Marketing of Social Services; Application of marketing principles in Welfare and Development field; Select case studies of Indian Social Enterprises and Entrepreneurs such as Ela Bhatt, M.S.Swaminathan, Vargeese Kurien, Aruna Roy, and Rajinder Singh.

References:

- 1. Crane A et al., 2008, The Oxford Hand Book on CSR, New York, Oxford University press Inc.
- 2. The business of social responsibility Harsh Shrivastava, books for change, Bangalore, Yr 2000
- 3. Corporate social responsibility concepts and cases, CV. Baxi, yr 2005.
- 4. Global strategic management, Dr. M. Mahmoudi, Deep & Deep Publications Pvt. Ltd, Delhi yr.2005
- 5. International Human resource management Global perspective, SK. Bhatia, Deep & Deep Publications Pvt. Ltd., Delhi, yr.2005.
- 6. David Bornstein, (2007) how to change the world, social entrepreneurs and the power of New Ideas, Oxford university Press
- 7. Alex Nichollls, 2006, social Entrepreneurship: New models of Sustainable Social change, Oxford university Press.
- 8. Peter Drucker, 1990, Managing the Non-Profit organizations, Practices NAD Principles, Harapercollins.

QUESTION PATTERN SECTION – A (10X2=20)

Answer ALL Questions

- 1. Define Corporate Social Responsibility.
- 2. Objectives of Corporate Social Responsibility.
- 3. What are the needs of Corporate Social Responsibility.
- 4. Meaning of community participation.
- 5. What is Advocacy?
- 6. Define Budgeting.
- 7. What is marketing?
- 8. What are the needs of supervision.
- 9. What is 3 C model?
- 10. Give any example of CSR activities.

SECTION – B (5X6=30)

Answer ANY FIVE Questions

- 11. Explain Corporate Social Responsibility in Indian context and International
- 12. Elaborate Phases of CSR.
- 13. Brief about the Role and Skills of Social Worker in CSR.
- 14. Explain any CSR activities in any notable industries.
- 15. Explain about The Company's Act 2013.
- 16. Brief about the CSR Guidelines for Central Public Sector.

YEAR – II		CODE: 19SPS34A
SEMESTER -III	CHILD WELFARE AND SOCIAL WORK	CDEDITS: 2
SELF STUDY- I (A)		CREDITS: 2

After completing this course, students will:

CO1: Understand basic theoretical knowledge on child welfare concepts and Institution working for child Welfare

CO2: Equip them with the knowledge on welfare services of children

CO3: Be enabled to work in the different field based legislations related to children

CO 4: Create knowledge on various issues related to children

CO5: Address the problems of women and children

SEMESTER III	ER III COURSE CODE: 19SPS34B					TITLE OF THE PAPER: CHILD WELFARE AND SOCIAL WORK					HOURS:	CREDITS:2
COURSE OUTCOMES	OUTCOMES (PO)				PROGRAMME SPECIFIC OUTCOMES (PSO)					MEAN SCORE OF		
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	C	o's
CO1	5	4	5	5	4	5	5	4	4	5		4.6
CO2	5	4	5	4	4	5	5	4	4	5		4.5
CO3	5	4	5	4	4	5	5	4	4	5		4.5
CO4	5	4	5	4	4	5	4	4	4	5		4.4
CO5	4	4	4	5	4	5	4	4	4	5	4.3	
	Mean Overall Score								4.46			

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Child: meaning, demographic profile of children in India – rural & urban, its place in family and society; status of girl child; concept of socialisation; factors influencing socialisation; role of family in socialisation; parental socialization

during childhood and adolescence; role of peers in socialisation, role of school in socialisation; impact of television on children.

Unit II

Problems of Children: childhood diseases and immunization; behaviour disorders of children; causes, consequences and prevention of child malnutrition, nutritional disorders, neglected children and abused children, child workers, child trafficking, child prostitution, HIV/AIDS affected and infected children

Unit III

Child Education and Problems: Children with disabilities, School dropouts; Rural – Urban and gender differences – Problems in school settings. School Social Work: Concept, Need, Objectives, and Functions. – Child friendly schools initiative. Child Participation.

Unit IV

Internationals and National instruments to promote and protect rights of children United Nations Charter of Children's Rights and Constitutional directives, Child welfare policies and programmes for children. Legislations relevant for protecting the rights of children-The Children (Pledging of Labour) Act 1935 - Employment of Children Act, 1938 – Minimum Wages Act 1948 - Child Labour (Prohibition and Regulation) Act 1986 – Juvenile Justice Act 2001.

Unit V

Role and Functions of Professional Social worker in Family setting, Institutional settings, Child Guidance Clinic, Children's hospital, Foster care and adoption, Rehabilitation settings. Child help line services, School Social work — Current research studies in India on Child Rights, Child related services and issues — Specific skills required for Social Work intervention with the children.

TEXT BOOK:

- 1. Chowdhry, Paul D (2000): Child Welfare Manual, Atma Ram & Sons Publishers, New Delhi.
- 2. Philip Popple, 2005, Child Welfare Social Work, Pearson Publications.
- 3. Lawrence Shulman, 2015, Social Work Practice in Child Welfare, NASW Press.

- 4. UGC NET/ SET Social Work Trueman's Specific series, 2016, Danika Pulishing Company.
- 5. Proactive Child Protection Social Work Second Edition, 2014, Sage Publications India Private Ltd.
- 6. UGC NET Tutor Social Work, 2014, Arihant Publications, New Delhi.

REFERENCES

- 1. Bhat, Bilal (2011): Rehabilitation of Child Labour: Problems and Prospects. Shipra Publications, Delhi.
- 2. Chowdhry, Paul D (2000): Child Welfare Manual, Atma Ram & Sons Publishers, New Delhi.
- 3. Deb, Sibnath and Aparna Mukherjee (2009): Impact of Sexual Abuse on Mental Health of Children. Concept Publishing Company, New Delhi.
- 4. Goonesekere, Savitri (2000): Children, Law and Justice: A South Asian Perspective. Sage Publication, New Delhi.
- 5. Lieten, G. K., (2004). Working children around the world: Child rights and child reality. Institute for Human Development, New Delhi and IREWOC Foundation, Amsterdam.

QUESTION PATTERN SECTION – A (10X2=20) Answer ALL Questions

- 1. Define childhood and adolescence.
- 2. Meaning of socialization.
- 3. What are the impacts of television?
- 4. Causes of behavior disorder.
- 5. Causes of malnutrition.
- 6. HIV/AIDS expand.
- 7. Mention the objectives of School Social Workers?
- 8. Write any two child welfare policies.
- 9. What is Child help line number and services?
- 10. Mention the problems in school settings.

SECTION – B (5X6=30) Answer ANY FIVE Questions

- 11. Explain the demographic profile of children in India.
- 12. Elaborate about childhood diseases and immunization.
- 13. Brief about Child Education and Problems.
- 14. Over view on School Social Work: Concept, Need, Objectives, and Functions.
- 15. Explain Juvenile Justice Act 2001.
- 16. Role and Functions of Professional Social worker in child guidance.

YEAR – II	CARING THE PERSONS WITH	CODE: 19SPS34B		
SEMESTER -III		CDEDITS: 2		
SELF STUDY- I (B)	DISABILITIES	CREDITS: 2		

After completing this course, students will:

CO1: Identify forms of disabilities.

CO2: Learn to diagnose and assess the functional abilities.

CO3: Be exposed to rehabilitative measure.

CO4: Understand the approaches in rehabilitation.

CO5: Be determined to the role of the social worker in this setting.

SEMESTER III		COURSE CODE: 19SPS34B					TITLE OF THE PAPER: CARING THE PERSONS WITH						
							ı	DISABILITIES			HOURS:	CREDITS:2	
COURSE	PROGRAMME OUTCOMES					PROGRAMN	/IE SPECIFIC	OUTCOMES					
OUTCOMES	(PO)						(PSO)				MEAN SCORE OF		
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	CO'S		
CO1	5	4	5	4	5	5	5	4	4	5		4.6	
CO2	5	4	5	4	4	5	4	5	4	4	4.4		
CO3	4	4	4	3	5	4	5	4	4	4		4.1	
CO4	5	4	4	4	3	5	5	4	3	4		4.1	
CO5	5	4	4	5	4	4	4	3	3	4		4	
		Mean Overall Score								4.24			

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Definition of impairment, Disability, handicap: Types of various Disabilities: magnitude, Causes and consequences.

Unit II

Identification, Assessment of functional abilities and differential diagnosis. Myths and misconceptions, societal attitudes, reactions of parents, family members and ways of coping. Prevention of disabilities at primary, secondary

and Tertiary levels, Intervention strategies at individual, family and community levels.

Unit III

Agencies involved in the field of rehabilitations, Multidisciplinary rehabilitation team and their roles, Educational Institutes, Vocational Rehabilitation centers, State and Central Government Agencies, National and International non-governmental organizations, (AICB, NAB &CBM etc.) National policies and welfare programmes.

Unit IV

Accessibility and Assistive devices, Accessible India Campaign, Inclusive India campaign, CBR, (Community based rehabilitation).

Unit V

Acts related to Persons with disabilities. Persons with Disability Act-2016, Rehabilitation Council of India Act-1992, National Trust Act-1999, United Nation Convention on the Rights of Persons with Disabilities (UNCRPD)

TEXT BOOK:

- 1. Albrecht G.L, et al (2001) Hand Book of disability Studies, Sage, London.
- 2. Upali Chakravarti, Disability and Care Work, Sage Publications India Private Ltd
- 3. Dr. Rumi Ahmed, Rights of Persons with Disability, White Falcon Publishing Solutions LIP.
- 4. UGC NET/ SET Social Work Trueman's Specific series, 2016, Danika Pulishing Company.
- 5. UGC NET Tutor Social Work, 2014, Arihant Publications, New Delhi.
- 6. Dr. S. Alice Mathew, 2016, Learning Disability and Remediation, Neelkamal Publications.

REFERENCES:

- 1. Albrecht G.L, et al (2001) Hand Book of disability Studies, Sage, London
- 2. Blaxter M. (1976), The meaning of disability: A sociological study of impairment, London: Heinemann.
- 3. Grant, (2005) Learning disability: A lifecycle approach to valuing people, Open University Press, London
- 4. Handbook on Assistive Devices and Technology: CBM India Trust
- 5. Hegarty Seamus & MithuAlur, (2002) Education and Children with special needs, sage, London,
- 6. Karanth, Pratibha& Joe Rozario, (2003) Learning disability in India, Sage, London
- 7. Mani M.N.G & Jaiganesh.M.B, (2010). Source Book on disability, Coimbatore: UDIS Forum.
- 8. Moore, (2005) Researching disability issues, Open University Press, London.
- 9. Samus, H &Patri.A (eds) (2005) Women disability and identity, New Delhi: sage publications.

QUESTION PATTERN SECTION – A (10X2=20) Answer ALL Questions

- 1. Definition impairment.
- 2. What is Disability.
- 3. Problem faced by differently able people.
- 4. What are the reactions of parents towards differently able people.
- 5. Write the types of disabilities.
- 6. What is rehabilitation?
- 7. Expand AICB, NAB &CBM.
- 8. What are the objectives of Disability Act-2016?
- 9. Full form of UNCRPD.
- 10. Need of social acceptance of disabled person.

SECTION - B (5X6=30)

Answer ANY FIVE Questions

- 11. Explain the types of various Disabilities, Causes and consequences.
- 12. Brief about Identification, Assessment of functional abilities and differential diagnosis.
- 13. Elaborate, Intervention strategies at individual, family and community levels.
- 14. Brief about the Agencies involved in the field of rehabilitations.
- 15. Explain about Persons with Disability Act-2016.
- 16. Explain about National Trust Act-1999

YEAR – II		CODE: 19SPS34C		
SEMESTER -III	HOSPITAL ADMINISTRATION	CDEDITS: 2		
SELF STUDY – I (C)		CREDITS: 2		

After completing this course, students will:

CO1: Be clear about the hospital and its classification.

CO2: Be exposed to planning and process.

CO3: Understand the hospital administration.

CO4: Understand the staffing and recruitment process.

CO5: Gain knowledge on hospital budgeting.

SEMESTER III		COURSE CODE: 19SPS34C					TITLE OF THE PAPER: HOSPITAL ADMINISTRATION					
												CREDITS: 2
COURSE OUTCOMES	PROGRAMME OUTCOMES PROGRAMME SPECIFIC OUTCOMES (PSO)									MEAN SCORE OF		
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	Ü	O'S
CO1	4	2	5	3	5	5	4	3	4	5	4	
CO2	5	3	5	4	5	5	5	4	4	4	4	1.4
CO3	5	3	5	4	5	5	5	3	5	5	4	1.5
CO4	5	3	5	4	5	5	5	3	5	5	4.5	
CO5	4	3	4	4	4	5	4	3	4	5	4	
		Mean Overall Score									4	.28

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Meaning of hospital, Evaluation of Hospital from charity to modern hospital classification of hospitals, General, special, public, Trust, Teaching-cum Research Hospital, Small or Large Size Hospital.

Unit II

Planning a Hospital, The planning Process, Choosing a Site, Location and Access, Building Space Utilization, Physical Facilities residential facilities

requirements of various types of wards, out patients services and in-patients services emergency services in Hospital - Medico legal case - Different departments required in the hospital.

Unit III

Hospital Administration -Meaning, Nature and Scope Management of Hospitals- principles of Management need for Scientific management . Human resource management in Hospital personnel policies - Condition of Employment Promotional and Transfers - Performance appraisal. Working hours levels rules and benefits - safety conditions - salary and wages policies, Training and development.

Unit IV

Staffing the hospital - selection and requirement of medical professional and technical staff -social workers -physiotherapist and occupational therapist Pharmacist - Radiographers - Lab technicians - dieticians - records officers - mechanics - electricians. Roles of Medical Records in Hospital Administration Content and their needs in the patient care system.

Unit V

Hospital Budget - Department budget as a first step - specific elements of a department at budget including staff salary - supply cost- projected replacement of equipment - energy expenditures - contingency funds. Uses of computers in Hospital purchase centralization Shared Building system purchase agreements.

TEXT BOOK:

- 1. Benjamin Rober-t, et al 1983, Hospital Administration Desk Book Newjerky Prentice hall
- 2. B. M. Sakharkar, 2004, Principles of Hospital Administration and Planning, Jaypee Publications.
- 3. Joydeep Das, 2009, Hospital Administration, Jaypee Publications.
- 4. DC Joshi, 2008, Hospital Administration, Jaypee Publications.
- 5. Joydeep Das Gupta, 2009, Hospital Administration and Management, a Comprehensive guide, Jaypee Publications.

REFERENCES

- 1. Benjamin Rober-t, et al 1983, Hospital Administration Desk Book Newjerky Prentice hall
- 2. Davies r lawelyn eta -1966, Hospital planning & administration Geneva WHO
- 3. Goal S L 1981, Health care Administration A Text Book New Delhi Steling Publishers Pvt.
- 4. Rabick & Jonathan etal 1983, Hospital Organization and Management London Spectrum Publishers. 5. Who Expert Committee 1975, Role of Hospital in programme of Community health protection WHO technical Report service.
- 5. WHO Expert Committee 1968 Hospital Administration WHO technical Report Services No.395.

QUESTION PATTERN SECTION – A (10X2=20) Answer ALL Questions

- 1. Meaning of hospital.
- 2. Classification of hospitals.
- 3. Features of Large Size Hospital.
- 4. What is special hospital?
- 5. Mention the various types of wards in hospital.
- 6. Write on Scope of hospital management.
- 7. Write about the Nature of hospital administration.
- 8. What is performance appraisal?
- 9. What are the needs of social workers in hospital?
- 10. Short note on hospital budgeting.

SECTION – B (5X6=30)

Answer ANY FIVE Questions

- 11.Brief about the Evaluation of Hospital from charity to modern hospital.
- 12. Elaborate the classification of hospitals.
- 13. Brief about the planning Process in hospital settings.
- 14. Explain the Role of Human resource management in setting up Hospital personnel policies.
- 15. Explain about Staffing the hospital.
- 16. Brief about the Hospital Budget.

YEAR – II		CODE: 19SPS34D
SEMESTER -III	WORKING WITH ELDERLY	CDEDITS: 2
SELF STUDY – I (D)		CREDITS: 2

After completing this course, students will:

CO1: Understand the functions and theories of ageing.

CO2: Learn about the policies and Programme for the elder people.

CO3: Be exposed to family context and relationship.

CO4: Understand the kinds of service rendered to the aged people.

CO5: Be Determined to the family intervention techniques.

SEMESTER III		COURS	E CODE:	E: 19SPS34D TITLE OF THE PAPER: WORKING WITH ELDERLY					ERLY				
COURSE OUTCOMES	AMME O (PO)	UTCOME	S	PROGRAMME SPECIFIC OUTCOMES (PSO)					MEAN SCORE OF				
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	CO'S		
CO1	4	4	5	4	5	5	5	4	4	5	4.5		
CO2	5	4	5	4	4	5	5	4	3	4	4.3		
CO3	4	4	4	3	4	4	5	4	4	4	4		
CO4	4	3	4	3	4	5	4	4	5	4	4		
CO5	5	4	4	3	4	5	4	4	3	4		4	
	Mean Overall Score								4.16				

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Ageing: Definition, Concept— Dimensions of Ageing: Physiological, Psychological, Social and Functional — Theories of Ageing: Biological, Psychological & Social. Problems of Ageing: Social, Economic and Psychological—Demographic Aspects of Population, Ageing-National and International Trends — Status of the Aged in India — Ageing and Development.

Unit II

Policies and Programmes:UN- Principles, International Plan of Action and Programme on Ageing. Government Policies and Programmes and welfare Schemes for the Elderly in India

Unit III

Family Context— Intimate Ties/Partnership in Later Life, Transitions in Marital Status: Widowhood, Divorce and Remarriage, Inter-Generational Relations: Common Medical and Psychiatric Problems of Old age, Institutionalisation and Related Problems.

Unit IV

Services for the Aged: Geriatric Clinics, Old Age Homes, Facilities& Services for the Terminally III, Recreational Centres, Day Care Centre, Information and Referral Services, Preventive and Supportive Services.

Unit V

Application of CW, GW, Research & CO with Elderly: Gerontology and geriatrics, Case Work, Group Work, Research and Counselling. Family Intervention Techniques, Health Promotion, Disability Management, Role of Social Workers

TEXT BOOK:

- 1. Desai Murli&Raju Siva, 2000, Gerontological SocialWork in India: Some Issues & Perspectives.
- 2. Anne Murphy, 1994, Working with Elderly people a Care workers Hand Book, Thomas Cook Touring Handbook.
- 3. A. Murphy, 1994, Working with Elderly People, Souvenir Press Ltd.
- 4. UGC NET/ SET Social Work Trueman's Specific series, 2016, Danika Pulishing Company.
- 5. UGC NET Tutor Social Work, 2014, Arihant Publications, New Delhi.

REFERENCES

- 1. Bob G Knight, Psychotherapy with Older Adults, Sage, New Delhi, 2004.
- 2. Gerontological SocialWork in India: Some Issues & Perspectives / Edited by Desai Murli&Raju Siva, 2000.
- 3. IrudhayaRajan,S., Mishra,U.S,: India's Elderly Burden or Challenge, SankaraSarma, P. Sage, New Delhi, 1999.
- 4. KumudiniDandekar, TheElderly in India, Sage, New Delhi, 1996.
- 5. Ward, The Ageing Experience: An introduction to Social Gerontology, Harpen&Rere New York, 1984.

QUESTION PATTERN SECTION – A (10X2=20) Answer ALL Questions

- 1. Define Ageing.
- 2. Mention the Dimensions of Ageing.
- 3. Problem faced by elder person.
- 4. Mention any Schemes for the Elderly in India.
- 5. What are the objectives of Schemes for the Elderly in India.
- 6. Write on Inter-Generational Relations.
- 7. Mention two Common Medical and Psychiatric Problems of Old age.
- 8. Define Geriatric.
- 9. What are the needs of social workers in geriatric settings?
- 10. Meaning of gerontology.

SECTION – B (5X6=30)

Answer ANY FIVE Questions

- 11. Explain about the Theories of Ageing.
- 12. Elaborate the Government Policies and Programmes for the Elderly in India.
- 13. Brief about the UN- Principles.
- 14. Explain the Family Context in the society.
- 15. What are the different Services offered for the Aged?
- 16. Brief about the Role of Social Workers in caring aged person.

YEAR – II		CODE: 19SPS34E
SEMESTER –III	WOMEN AND DEVELOPMENT	CREDITS: 2
SELF STUDY – I (E)		CREDITS: 2

After completing this course, students will:

CO1: Understand the functions of women development.

CO2: Learn the importance of women education.

CO3: Be exposed to gender analysis and relationship.

CO4: Understand the women problems and circumstances.

CO5: Be aware of the role of state and national level commission in women's development.

SEMESTER III	COURSE CODE: 19SPS34E				TITLE OF THE PAPER: WOMEN AND DEVELOPMENT								
										HOURS:	CREDITS:2		
COURSE OUTCOMES							PROGRAMN	MEAN COORE OF					
	(PO)					(PSO)			MEAN SCORE OF				
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	CO'S		
CO1	4	4	4	3	4	4	5	3	4	4	3.9		
CO2	4	4	5	4	3	4	4	3	4	4	3.9		
CO3	4	3	4	4	3	5	4	3	4	4	3.8		
CO4	4	3	5	4	3	4	4	4	4	4	3.9		
CO5	4	4	5	4	4	5	4	3	4	4		4.1	
	Mean Overall Score								3.98				

This Course is having **HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Concept of development with reference to women: Women in development, women and development, Gender in development – meaning, strategic and practical needs, Patriarchy and patriarchal structures in India. Feminism and its types. Women's movements.

Unit II

Education: Differences between male and female children in enrolment and educational achievement, problems in education of the girl child, participation in higher education; NGO and Government efforts to improve women's

education. Employment: work participation of women, trends, exploitation of women, multiple roles of women. Health issues of women in India: Health problems, maternal health, maternal mortality, family planning choices and access to health services. HIV/AIDS and impact on women in India.

Unit III

Gender analysis and its framework: Moser Framework, Social Relations Framework (SRF) (Kabeer), Harvard Framework, Gender Analysis Matrix (Parker), Women's Empowerment Framework (Longwe). Gender Census, Sex Ratio, WID, WAD, GAD. Gender Mainstreaming, Gender budgeting. Self Help Groups: benefits, procedures and best practices.

Unit IV

Women in difficult circumstances: sex work, female headed households, women and displacement, women and disasters or riots and war, violence against women, transgender. Legal rights of women (salient features only): Marriage, divorce, maintenance, inheritance, adoption, employment, maternity benefits.

Unit V

International conventions and efforts: CEDAW, Beijing Conference, International organizations and policies. Development programmes for women - Government policies and programmes for women-State and Center; Constitutional provisions; reservations for women. Best practices, Conventions, Committees, Policies and programmes. Role of National and State Women's Commissions

TEXT BOOK:

- 1. Kanhere U S (1995) Women and Socialization, Mittal Publishers, New Delhi
- 2. Dr. Grishma, 2017, Women Empowerment Challenges and Strategies, Books clinic Publishing
- 3. Jaynal Ud Din Ahmed, Women Entrepreneurship in India, New Century Publication.
- 4. UGC NET Tutor Social Work, 2014, Arihant Publications, New Delhi.
- 5. Anjali Gandhi, 2012, Women's Work Health and Empowerment, Aakar Books Publishers.

REFERENCES

- 1. Bhasin, K (1984), Women and media analysis, alternatives and actions, Kali for Women, New Delhi
- 2. Blumberg and Dwaraki (1980), India's educated women : options and constraints, Hindustan Publishing corporation, New Delhi
- 3. Devendar, Kiran (1985), Status and position of women in India, Shakthi Books, New Delhi
- 4. Hamilton r (1992) The liberation of women: a study of patriarchy, George Allen and Unwin, London
- 5. ICSSR (1985) Status of women in India- report of the National Commission, Allied publishers, New Delhi
- 6. Kanhere U S (1995) Women and Socialization, Mittal Publishers, New Delhi
- 7. Kaushik, Susheela (1993) Women's Oppression: patterns and perspective, Shakti Books, New Delhi
- 8. LWF (1990) Women's Human Rights, Lutheran World Foundation, Geneva.
- 9. Neera Desai (1987) Women and society in India, Ajanta Publications, New Delhi
- 10. Usha Rao (1983), Women in Development Society, Ashish Publishing house, New Delhi.

QUESTION PATTERN SECTION – A (10X2=20)

Answer ALL Questions

- 1. Meaning of gender development.
- 2. Differentiate Women in development, women and development.
- 3. Define Patriarchy.
- 4. Mention any Women's movements in India.
- 5. What are the problems faced in educational setting by the girl child.
- 6. What is employment?
- 7. Mention common health issues among women.
- 8. What is maternal health?
- 9. What is sex ratio of women in current?
- 10. What are the problems faced by women in India?

SECTION – B (5X6=30)

Answer ANY FIVE Questions

- 11. Explain about the Feminism and its types.
- 12. Elaborate any one Women's movement in India.
- 13.Brief about the NGO and Government efforts to improve women's education.
- 14. Explain Self Help Groups as a part of women development.
- 15. What are the Legal rights of women in the society?
- 16. Brief about the Development programmes for women.

YEAR – II		CODE: 19SPS34F
SEMESTER -III	COMPENSATION MANAGEMENT	CREDITS: 2
SELF STUDY – I (F)		CREDITS: 2

After completing this course, students will:

CO1: Understand the meaning of compensation.

CO2: Learn the managing compensation and its structure. **CO3:** Be exposed to employer compensation and bonus.

CO4: Understand to manage the employee benefits.

CO5: Be aware of the employee benefits.

SEMESTER III	COURSE CODE: 19SPS34F					TITLE OF THE PAPER: COMPENSATION MANAGEMENT							
												CREDITS:2	
COURSE		PROGRA	AMME O	UTCOME	S		PROGRAMN	ME SPECIFIC	OUTCOMES				
OUTCOMES	(PO)				(PSO)					MEAN SCORE OF			
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	co's		
CO1	4	3	4	4	3	4	3	4	4	3	3.6		
CO2	4	3	4	3	4	4	4	3	4	3	3.6		
CO3	4	3	4	4	3	4	3	4	4	4	3.7		
CO4	4	3	4	4	4	3	4	4	3	4	3.7		
CO5	4	4	4	3	4	4	4	3	4	4	\$	3.8	
	Mean Overall Score								3	.68			

This Course is having **HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Introduction: Compensation meaning, objectives, nature of compensation, types of compensations, compensation responsibilities, Compensation system design issues: Compensations Philosophies, compensation approaches, decision about compensation, compensation- base to pay, individual Vs team rewards, Perceptions of pay Fairness, legal constraints on pay systems.

Unit II

Managing Compensation: Strategic Compensation planning, determining compensation-the wage mix, Development of a Base Pay System: Job evaluation systems, the compensation structure- Wage and salary surveys, the wage curve, pay grades and rate ranges, preparing salary matrix, government regulation on compensation, fixing pay, significant compensation issues, Compensation as a retention strategy

Unit III

Variable Pay and Executive Compensation: Strategic reasons for Incentive plans, administering incentive plans, Individual incentive plans-Piecework, Standard hour plan, Bonuses, Merit Pay, Group incentive plans- Team compensation, Gain sharing incentive Plans, Enterprise incentive plans- Profit Sharing plans, Stock Options, ESOPs, executive compensation elements of executive compensation and its management, International compensation Management.

Unit IV

Managing Employee Benefits: Benefits- meaning, strategic perspectives on benefits-goals for benefits, benefits need analysis, funding benefits, benchmarking benefit schemes, nature and types of benefits, Employee benefits programs- security benefits, retirement security benefits, health care benefits, time-off benefits, benefits administration

Unit V

Employee benefits required by law, discretionary major employee benefits, creating a work life setting, employee services- designing a benefits package.

TEXT BOOK:

- 1. B. D. Singh (2017), "Compensation and Reward Management" published by Excel Books.
- 2. D. K. Bhattacharya, 2009, Compensation Management, Oxford University Press.
- 3. Richard I Henderson, 1997, Performance Appraisal and Compensation Management, Oxford University Press.
- 4. Compensation and Reward Management, 2012, Bishwant Gosh, Sterling Publishers.
- 5. UGC NET Tutor Social Work, 2014, Arihant Publications, New Delhi.

REFERENCES:

- 1. B. D. Singh (2017), "Compensation and Reward Management" published by Excel Books, ISBN-13: 978-9350626313
- 2. Biswanath Ghosh (2012), "Compensation and Reward Management" published by Sterling Publishers Pvt.Ltd, ISBN-13: 978-8120777422
- 3. Dr. Kanchan Bhatia(2014), "Compensation Management" published by Himalaya Publishing House, ISBN-13: 978-9352022151
- 4. Henderson (2007), "Compensation Management in a Knowledge based World" published by Pearson Education India, ISBN-13: 978-8131711101
- 5. J. Martocchio Joseph (2018), "Strategic Compensation: A Human Resource Management Approach" published by Pearson Education, ISBN-13: 978-9332584839

QUESTION PATTERN SECTION – A (10X2=20) Answer ALL Questions

- 1. Meaning of Compensation.
- 2. Objectives of compensation.
- 3. What is base to pay?
- 4. Define Job evaluation.
- 5. Mention any government regulation on compensation.
- 6. What is compensation structure?
- 7. What is bonus?
- 8. What is Individual incentive?
- 9. What is Merit Pay?
- 10. Mention any two Employee Benefits plan.

SECTION – B (5X6=30)

Answer ANY FIVE Questions

- 11. Explain about the Compensation system design issues.
- 12. Elaborate the compensation approaches.
- 13. Brief about the compensation approaches.
- 14. Explain benefit schemes, nature and types of benefits.
- 15. What are the International compensations Management?
- 16. Brief about benefits administration.

SPECIALISATION PAPER III

COMMUNITY DEVELOPMENT SPECIALISATION

YEAR – II		CODE: 19PSW41A
SEMESTER – IV	PROJECT MANAGEMENT	HRS/WEEK: 6
CORE – XII		CREDIT: 4

Course Outcomes:

After completing this course, students will:

CO1: Learn the concept of project cycle management.

CO2: Understand the project identification and implementation.

CO3: Be aware of project design.

CO4: Understand the CSR.

CO5: Determine the role of central and state governments in advocacy.

SEMESTER IV		C	OURSE C	ODE:		TITLE	OF THE PAR	PER: PROJEC	Γ MANAGEM	ENT			
			19PSW4	11A							HOURS:5	CREDITS:4	
COURSE		PROGRAMME OUTCOMES					PROGRAMN	/IE SPECIFIC	OUTCOMES				
OUTCOMES			(PO)				(PSO)					SCORE OF	
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	CO'S		
CO1	5	3	5	3	4	5	4	5	4	4		4.2	
CO2	5	3	5	3	5	5	4	5	4	5		1.4	
CO3	5	3	5	3	5	5	4	5	4	5		1.4	
CO4	5	4	5	3	5	5	4	4	4	5	4.4		
CO5	5	3	5	3	4	5 4 4 4 4 4.					4.1		
	Mean Overall Score								4	4.3			

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Planning – Meaning, Process, Reasons, Usefulness, Types, Barriers, Importance. Development Cycle in Planning – Existing Development Cycle and Desired Development cycle. Project Cycle – Meaning, Phases – Identification, Design, Implementation, Evaluation. Project Cycle Management – Meaning and the Importance. Concept Note – Meaning, Outline.

Unit II

Project Identification – Need Assessment, Tools for Need Assessment – Listening, Interviewing, Focus Groups, Community Mapping, Priority Fixing. Capacity Assessment – Meaning, Types of Assets in Capacity Assessment. Assets and Capacity. Appreciative Inquiry – Discover, Dream, Design and Deliver.

Unit III

Project design – Meaning. Process of Project Designing – Stakeholder Analysis, Research including Problem Analysis, Log Frame, Risk Analysis, Action Planning, Budgeting. Implementation – Meaning, Phases, Factors Affecting the Implementation. Monitoring Reviewing and Evaluation – Meaning, Purposes, Differences, Indicators, Reporting

Unit IV

Corporate Social Responsibility – Meaning, Importance, Theory and Models of CSR. Social Auditing – Meaning, Uses, Principles, Stages – Social Book Keeping, Social Accounting and Social Auditing. Methodology and Process of Social Auditing.

Unit V

Advocacy: Meaning, Approach, Role and Practice; National & International Funding Agencies; State and Central Government Projects; Project Proposal Writing.

TEXT BOOK:

- 1. Blackman, Rachel. 2003. Project Cycle Management. UK: Tearfund.
- 2. Gopala Krishnan. P, V.E Ramamoorthy, 2014, Text Book of Project Cycle Management, Trinity Publications.
- 3. Thomas Ericson, 2015, Project Management 2nd Edition, Global Academic Publishers and Distributors, New Delhi.
- 4. Harwey Maylor, 2012, Project Cycle Management 3rd Edition, Dorling Kindersley Private Limited Noida.
- 5. Vasanth Desai, Project Management, Himalaya Publishing House, Private Limited, Mumbai

REFERENCES:

- 1. Blackman, Rachel. 2003. Project Cycle Management. UK: Tearfund.
- 2. Crooks, Bill. 2003. Capacity Self Assessment. UK: Tearfund.
- 3. Desai, Vasanth. 1988. Rural Development. Vol. I to VI. Bombay: Himalaya Publishing House.
- 4. Gordon, Graham. 2002. Practical Action in Advocacy. UK: Tear fund
- 5. Gordon, Graham. 2002. Understanding Advocacy. UK: Tear fund
- 6. Kadekodi, G.K. and K. Chopra. 1999. Operationalising Sustainable Development New Delhi: Sage Publications. India Pvt. Ltd.
- 7. Pareek, Udai. 1982. Education and Rural Development in Asia. Oxford and IBH Publications. New Delhi.

QUESTION PATTERN

SECTION -A (10X2=20)

Answer ALL Questions

- 1. What is planning?
- 2. What is concept note?
- 3. What is need assessment?
- 4. What is capacity assessment?
- 5. Mention any two examples for indicators of a project.
- 6. What is stake holder analysis?
- 7. What is social auditing?
- 8. What is social book keeping?
- 9. Mention any two roles of advocacy.
- 10. What is advocacy?

SECTION - B (5X5=25)

Answer ALL Questions

11.a) Explain the various types of planning.

(or)

- b) Explain the importance of project cycle management.
- 12. a) Explain the process if capacity assessment.

(or)

- b) Give details of appreciative inquiry.
- 13. a) Explain the process of project designing.

(or)

- b) Explain the process of project evaluation.
- 14. a) Explain the theory and models of CSR.

(or)

- b) Explain the process of social auditing.
- 15. a) Explain the uses of advocacy for development work.

(or)

b) Explain the process of advocacy cycle.

SECTION - C (3X10=30)

Answer any THREE Questions

- 16. Explain the project cycle phases with examples.
- 17. Explain the process of need assessment with examples.
- 18. Explain the implementation of project with details.
- 19. Explain the nature of CSR project of any one of the leading industries.
- 20. Explain the importance of advocacy with an example.

SPECIALISATION PAPER – III

HUMAN RESOURCE MANAGEMENT SPECIALISATION

YEAR – II		CODE: 19PSW41B
SEMESTER – IV	ORGANIZATIONAL BEHAVIOUR	HRS/WEEK: 6
CORE – XII		CREDIT: 4

Course Outcomes:

After completing this course, students will:

CO1: Understand the concept of organizational behaviour.

CO2: Learn the process of organizational development.

CO3: Be exposed to organization and personal behaviour.

CO4: Understand the group behavior at work place.

CO5: Be aware of role of behavioral scientist in industry.

SEMESTER IV		COURSE	CODE: 1	9PSW41	В	TITLE OF	THE PAPER	: ORGANIZA	TIONAL BEH	AVIOUR			
											HOURS :6 CREDITS:4		
COURSE OUTCOMES		PROGRA	OGRAMME OUTCOMES PROGRAMME SPECIFIC OUTCOMES (PO) (PSO)						MEAN SCORE OF				
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	co's		
CO1	5	4	5	4	5	5	5	4	5	5	4	4.7	
CO2	5	4	5	4	3	5	5	3	5	5	4	1.4	
CO3	5	4	5	3	5	5	5	4	5	5	4	1.6	
CO4	5	4	5	4	5	5	5	4	5	5	4	1.7	
CO5	5	4	5	4	5	5	5	4	5	5	4.7		
		Mean Overall Score									4	.62	

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Organizational Behaviour: Brief History, Definition, Characteristics, and Models. Contributions of the Behavioral Sciences. Human Behaviour at Work: Theories of Motivation – Motivating Humans – Systems Theory, Emotional quotient at Work. Emerging perspectives on Organization Behavior – Dimensions of Organization Behavior.

Unit II

Inter-Personal and Intra-Personal behavior: Physical and intellectual ability, Emotional Intelligence, Attitude, Job Satisfaction, Job Involvement and organizational commitment, Personality, Perception, Assertiveness, Learning: Process and Theories, Transactional Analysis, Johari window. Motivation: Concept, theories and Techniques. Morale: Meaning and importance, Factors, Measures and techniques of promoting positive morale.

Unit III

Foundation of Group Behaviour at Workplace: Concept, Types of Groups, Group Structure, Group Dynamics: Decision Making, Team work, Communication, Leadership - Meaning, Roles, Skills, Styles, Theories, Types of Leadership, Power and Politics - Quality of work life – Work Life Balance – Employee Empowerment and Employee Engagement.

Unit IV

Organizational Conflict: Concepts, causes and types — Conflict resolution strategies. Organizational change: Concept, forces of change and resistance to change, Managing organizational change and diversity. Organizational Culture and Climate. Organizational Development: Concept, Definition, theories and practice: Organizational Development and Organizational Behaviour, OD Intervention techniques: Sensitivity Training. Quality Circles. Survey Feedback, Management of change. Individual behaviour, Foundations of individual behaviour.

Unit V

Organizational Dynamics: Stress and Burn Out: Concepts, Causes, Consequences - Coping mechanism and strategies. Gender Sensitivity. Dysfunctional Behaviours: Absenteeism, Alcoholism, Fatigue, Monotony, Accidents and Boredom; Role of Behavioural Scientist in Industry. Employee Coaching and Mentoring. Employee Counselling: Concept, objectives, need, functions, techniques and advantages.

TEXT BOOK:

- 1. Organizational behaviour, 9th edition, M C Graw hill, India, 2002.
- 2. Personnel and Human Resource Management, P. Subha Rao, Himalaya Publishing House, 2016.

- 3. Organizational Behaviour, Dr. S. S. Khanka, S. Chand Company Pvt, Ltd 2008
- 4. Organizational Behaviour Human Behaviour at Work, John W. Newstorm, Tata Mc Graw Hill, 2007
- 5. Organizational Behaviour, Fred Luthans, Mc Graw Hill International Edition 2011

REFERENCES:

- 1. Aswathappa K. 2012. Organizational behaviour. Mumbai : Himalaya Publication house. Mumbai.
- 2. Management of Organizational Behaviour Utilizing Human Resource, Paul Hersey Kenneth H. Blanchard, Dewey E. Johnson, Prentice Hall of India Pvt Ltd, 2001
- 3. Organizational Behaviour, Fred Luthans, Mc Graw Hill International Edition, 2002
- 4. Hellriegul Don and Slocum John W., Jr, 2004 Organisational Behaviour, New Delhi, Thomson South-Western.
- 5. Khanka, S S., 2008 Organisational Behaviour, New Delhi, S.Chand and Co., Ltd.
- 6. Kumar Arun and Meenakshi N, 2009 Organisational Behaviour- A Modern Approach, NIILM Center for Management Studies, New Delhi.
- 7. Nalini. R. 2011. Social work and the workplace. New Delhi: Concept Publications
- 8. Nelson, Debra L and James Compbell, 2007 Organisational Behaviour-Foundations, Realities and Challenges, New Delhi, Thomson South-Western.
- 9. Robbins Stephen. P. et al. 2012. Organizational behaviour. New Delhi. Pearson publications.

QUESTION PATTERN

SECTION -A (10X2=20)

Answer ALL Questions

- 1. What is Organizational Behavior?
- 2. Explain the term Job Satisfaction?
- 3. What do you mean by Leadership?
- 4. What is an Informal Group?
- 5. What is Individual Behavior?
- 6. Define Organizational Climate?
- 7. What is Industrial Psychology?
- 8. Explain the term Employee morale?
- 9. What do you mean by two factor theory?
- 10. What is Need Hierarchy theory?

SECTION - B (5X5=25)

Answer ALL Questions

11. a) Narrate the history of Organizational Behaviour.

(or)

- b) Explain the process of group behavior
- 12. a) Examine the skills needed for acquiring leadership

(or)

- b) Explain the importance of informal groups in organizations.
- 13. a) Explain the functions of an Industrial Psychologist.

(or)

- b) Write the meaning and scope of Industrial Psychology?
- 14. a) Describe the contributions of Elton Mayo.

(or)

- b) Discuss David McClelland's Motivational Needs Theory?
- 15. a) What do you mean by Conflict Management? Explain its techniques?

(or)

b) Discuss the importance of Work-life Balance in organizations.

SECTION -C (3X10=30)

Answer any THREE Questions

- 16. Bring out the need for understanding human behavior in organizations
- 17. What is job satisfaction? What are the factors affecting job satisfaction?
- 18. Explain the types of leadership suitable to organizational set up.
- 19. What is Stress? Explain the causes of Stress?
- 20. Elaborate Maslow's need hierarchy theory.

SPECIALISATION PAPER - III

MEDICAL AND PSYCHIATRY SPECIALIZATION

YEAR – II		CODE: 19PSW41C
SEMESTER – IV	PSYCHIATRIC SOCIAL WORK	HRS/WEEK: 6
CORE – XII		CREDIT: 4

Course Outcomes:

After completing this course, students will:

CO1: Learn the psychiatric social work. **CO2:** Be equipped with clinical setting.

CO3: Be exposed to methods of psychological treatments.

CO4: Understand the children mentality.

CO5: Be aware of the role of social worker in rehabilitation Centre.

SEMESTER IV		VCOURS	E CODE:	19PSW4	1C	TITLE C	F THE PAPE	R: PSYCHIAT	RIC SOCIAL	WORK				
											HOURS:6 CREDITS:4			
COURSE OUTCOMES		PROGRA	AMME O (PO)	UTCOME	S		PROGRAMI	MEAN SCORE OF						
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	co's			
CO1	5	4	5	4	5	5	5	4	4	4	4.5			
CO2	5	4	5	4	5	5	4	4	4	4		4.4		
CO3	5	4	5	5	5	5	4	5	4	4		4.6		
CO4	4	5	4	5	4	5	4	5	4	4	4.3			
CO5	5	4	4	5	4	5	4	5	4	4	4.4			
	Mean Overall Score									4	.44			

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Psychiatric Social Work: Concept, Definition, Limitations and difficulties faced in psychiatric social work practice, Magnitude of Mental Health Problems; Analysis of mental health problems among vulnerable groups such as women, aged, socio-economically disadvantaged, urban and rural population and disaster victims in India. Scope of Social Work in Mental Health.

Unit II

Present Practice and equipment of Psychiatric Social Work in various Clinical Setting. Mental health institutions, Government and Private Hospital and Psychiatric Clinic, Half way homes, Day care Centres, Sheltered Workshops, Dept of Preventive and Social Medicine. Disaster Victims in India.

Unit III

Psychiatric Social Work Practices: Psychoanalytical, Psycho-Social, Transactional analysis, Life span approach, Family Centered Treatment, Tasks Centered, Therapeutic Intervention in Psychiatric illness: Psycho Surgery, Occupational therapy, Cognitive Behavior Modification therapy, Play therapy, Music therapy.

Unit IV

Child Mental Health and Social Work practice; development and psychological perspectives in child mental health; social work practice in child guidance clinic; Prevention and treatment intervention in family, school, neighborhood and community settings. Psychiatric Social Work Practice in Crisis intervention centers and with special groups such as rape victims and HIV or AIDS patients.

Unit V

Psychological Rehabilitation: Concept, Principles, Process and Progammes; Role of Social Workers. Mental health policies and legislation in India; national mental health programes. Research – Single Case Evaluation; Qualitative and Action research on mental health issues; monitoring and evaluation of programmes; Mental Health Care Models: TTK, SCARF and BANYAN. Role and Functions of Psychiatric Social Worker

TEXT BOOK:

- 1. Niraj Ahuja, 2011, A Text Book of Psychiatry, Jaypee Brothers Medical Publishers (pvt) Ltd.
- 2. Dr. R.N. Sharma, 2010, Abnormal Psychology, Subject Publication.
- 3. Robert L. Solso, 2001, Cognitive Psychology, Delhi: Pearson Education.
- 4. Randy J. Larsen, David M. Buss, 2011, Personality Psychology, Tata McGraw Hill Edition.

REFERENCES

- 1. Daver, Bhargavi, 1999 Mental Health of Indian Women, Sage Publications, New Delhi
- 2. Daver, Bhargavi, 2001 Mental Health from a Gender Perspective, Sage Publications, New Delhi
- 3. Dhanda, Amita, 1999 Legal Order and Mental Disorder, Sage Publications, New Delhi
- 4. Kapur, Malavika, 1997 Mental Health in Indian Schools, Sage Publications, New Delhi
- 5. Verma, Ratna, 1991 Psychiatric Social Work in India, Sage Publications, New Delhi
- 6. Ian Mathews(2000) Social Work and Spirituality, Learning Matters Ltd. Exeter, UK
- 7. WHO, 1991 Innovative Approaches in Mental Health Care, Psychosocial Interventions and Co-management, Geneva.
- 8. Patricia Casey, Brendan Kelly Fish's Clinical Psychopathology, third Edition Niraj Ahuja A Short Textbook of. PSYCHIATRY. Seventh Edition.

QUESTION PATTERN

SECTION -A (10X2=20)

Answer ALL Questions

- 1. What is mental health?
- 2. What is psychiatric social work?
- 3. What is half way home?
- 4. What is day care center?
- 5. What is life model?
- 6. What is crisis intervention?
- 7. What is child mental health?
- 8. What is de-addiction?
- 9. What is rehabilitation?
- 10. What is mental health legislation?

SECTION - B (5X5=25)

Answer ALL Questions

11. a. Explain the scope of Psychiatric social work practice

(or)

- b. What are the mental health problems of women? Reg.
- 12. a. Explain the functions of child guidance clinics.

(or)

- b. Explain the role and functions of private psychiatric clinics in mental health.
- 13. a. Explain the process of family centered treatment method.

(or)

- b. Explain the process of crisis intervention with an example.
- 14. a. Explain the psychiatric social work practice in schools.

(or)

- b. Explain the psychiatric social work practice in community.
- 15. a. Explain the mental health programs for community mental health.

(or

b. Explain the nature of single case evaluation with an example.

SECTION - C (3X10=30)

Answer any THREE Questions

- 16. Explain the magnitude of mental health problems in India.
- 17. Explain the nature of psychiatric social work in mental health institutions.
- 18. Explain the various theory and models of psychiatric social work.
- 19. Explain the psychiatric social work in addiction center with examples.
- 20. Explain the mental health policies and legislations in India.

SPECIALISATION PAPER - IV

COMMUNITY DEVELOPMENT SPECIALIZATION

YEAR – II	COMMUNITY DEVELOPMENT	CODE: 19PSW42A			
SEMESTER – IV	COMMUNITY DEVELOPMENT	HRS/WEEK: 6			
CORE – XIII	MANAGEMENT	CREDIT: 4			

Course Outcomes:

After completing this course, students will:

CO1: Understand the concept of NGO.

CO2: Learn the strategies to develop the community.

CO3: Be exposed to self help groups and panchayat system.

CO4: Understand about the structure of NGOs and their management aspects.

CO5: Be aware of entrepreneurship Training and Development of Entrepreneurs.

SEMESTER IV		COURSE CODE:					TITLE OF THE PAPER: COMMUNITY DEVELOPMENT						
			19PSW4	2A			M		HOURS:5	CREDITS:4			
COURSE OUTCOMES	PROGRAMME OUTCOMES (PO)						PROGRAMN	MEAN SCORE OF					
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	co's		
CO1	5	3	5	3	4	5	5	5	4	4	4.3		
CO2	5	3	5	3	5	5	5	5	4	5	4	1.5	
CO3	5	4	5	3	5	5	5	5	4	5	4	1.6	
CO4	5	3	5	3	5	5	5	4	4	5	4	1.4	
CO5	5	3	5	3	4	4 5 5 4 4 4 4.					1.2		
	Mean Overall Score									4	1.4		

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Introduction to NGO: Concept and Characteristics, Types of NGOs – Classification; Role of NGOs in National Development; History of NGO Sector in India and World. Registration of NGO under Tamil Nadu Societies Registration Act 1975. Tax Regulations concerning NGOs: Specific Tax Exemptions (Section

12A, Section 35AC, Section 80G & 80GG of Income Tax Act. Foreign Contributions: Legal Regulations (Foreign Contribution Regulations Act)

Unit II

Government Schemes for the NGO Sector: Grant – in Aid schemes and other concessions of the Government of India and Tamil Nadu State Government; Schemes for the Welfare of the Children, Youth, Women, Aged and Differently Abled. International Agencies and NGOs: UN and its Agencies, World Bank, Asian Development Bank and other International Donor Agencies, Networking and Partnership with Government and other agencies.

Unit III

Self Help Groups & Federation of SHGS at the Panchayats, Cluster, Block and District. Role of state, banks in SHGs. Maintenance of records in SHGs. Grading and Evaluation of SHGs. Role of SHGs in local Issue Tackling. Leadership in SHGs. Problems faced by SHGs. SHGs and Economic development. Role of NGOs in SHGs. Role of social workers in SHGs. Micro Finance- Meaning and Characteristics- Working of Micro Finance- Philosophy of Micro Finance- Role of Social Worker in Micro Finance.

Unit IV

Water shed Management – Meaning, Objectives, and Implementation. Economic Benefits, Social Benefits. Role of NGOs in Water Shed Management. Role of Social Workers in Water Shed Management. Waste Land Development – Meaning and Characteristics. Identification of Waste Land, Role of NGOs in Waste Land Development. Community Based Organizations for Sustainable Development – Meaning, Characteristics- Community Participation

Unit V

Entrepreneurship – Meaning, Characteristics. Problems of Entrepreneurship. Women Entrepreneurs, Rural Entrepreneur. Personality and Dynamics of Entrepreneurs. Training and Development of Entrepreneurs. Role of TN Small Indusries Development Corporation (SIDCO), National Bank for Agriculture and Rural Development (NABARD) and Khadi and Village Industries Commission (KVIC) in Entrepreneur development. Role of Social Workers in Entrepreneur development.

TEXT BOOK:

- 1. Jayashree. 2005. Entrepreneurial Development. Chennai: Marghan.
- 2. Non Governmental Organizations Origin and Development, Suresh Chandra Annie Karen, Rawat Publications Jaipur, 2015
- 3. Asha Ramagonda Patil, 2013, Community Organization and Development an Indian Perspective, Eastern Economy Edition,
- 4. Samuel H Taylor, 2013, Theory and Practice of Community Social Work, New Delhi.
- 5. W. Sheafor Charles J. Horejsi, 2011, Techniques and Guidance for Social Work Practice, Ninth Edition, Bradford Eastern Economy Edition.

REFERENCES:

- 1. Daniel A.V. 2011. Strategies for Agricultural Development Bombay: Vora.
- 2. Danial, Lazer. 2008. Micro Training Poverty and Eradication. New Delhi: New Century Book House.
- 3. Desai Vasant. 2004: Dynamics of Entrepreneurial Development. New Delhi: Sultan anand & sons.
- 4. Giriappa. S. 2011. Water the Efficiency in Agriculture. Calcutta: Oxford Press.
- 5. Gupta C.B. 2004: Entrepreneurial Development. New Delhi: Sultan Anand & Sons.
- 6. Sharma, R. K. 2011. Entrepreneurship Development. Bombay: Himiliya Publishing House
- 7. Upendra, Nath Roy. 2005. People Participation in Watershed Management. New Delhi: Kanishka Publisher.
- 8. Usharani, K. 2008. Marketing Strategies, Finance Viability of Self Help Group. New Delhi: Sarop & Sons,.

QUESTION PATTERN

SECTION -A (10X2=20)

Answer ALL Questions

- 1. What do you mean by Federation?
- 2. Define Micro Finance.
- 3. Define Sustainable Development.
- 4. What does Community Participation mean?
- 5. Mention any 4 problems of rural entrepreneurs?
- 6. List any two objectives of TADCO.
- 7. List any two Acts for NGO registration.
- 8. Write any two differences between Trust and Society
- 9. Who is disabled?
- 10. List any two programs of World Bank.

SECTION - B (5X5=25)

Answer ALL Questions

11. a. Explain in brief the grading and evaluation of SHG.

(or)

- b. Write in short the structure of SHG's.
- 12. a. Write short notes on Community Based Organization.

(or)

- b. Enlist the Social and Economic benefits of Water Shed Management.
- 13. a. Explain in brief the functions of KVIC.

(or)

- b. What are the characteristics of Entrepreneurs?
- 14. a. Write short notes on FCRA.

(or)

- b. Write about the classification of NGO's in India.
- 15. a. Write short notes on International Donor Agencies.

(or

b. Explain in short the Government Schemes for Youth in India.

SECTION -C (3X10=30)

Answer any THREE Questions

- 16. Explain the characteristics and working of MFI in India and list the roles of Social Workers in relation to MFI.
- 17. Examine the roles of NGO's in Waste land Development.
- 18. Explain the roles of Social Workers in the development of Women Entrepreneurs.
- 19. "Non-Governmental Organizations have a significant Role in National Development" Illustrate with examples.
- 20. Analyze the Government schemes for women and child welfare in India.

SPECIALISATION PAPER – IV

HUMAN RESOURCE MANAGEMENT SPECIALIZATION

YEAR – II		CODE: 19PSW42B
SEMESTER – IV	INDUSTRIAL RELATONS	HRS/WEEK: 6
CORE – XIII		CREDIT: 4

Course Outcomes:

After completing this course, students will:

CO1: Understand the concept of industrial relation.

CO2: Understand the relationship between the industries.

CO3: Be exposed trade union and bargaining system.

CO4: Understand the industrial disputes.

CO5: Gain Knowledge on industrial legislations.

SEMESTER IV	COURSE CODE: 19PSW42B TITLE OF THE PAPER: INDUSTRIAL RELATONS												
												CREDITS:4	
COURSE OUTCOMES		PROGRA	AMME O (PO)	UTCOME	S		PROGRAMN	MEAN SCORE OF					
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	C	CO'S	
CO1	5	4	5	4	5	5	4	3	5	5	4	4.5	
CO2	5	4	5	4	5	5	5	3	4	5	4	1.5	
CO3	5	4	5	4	5	5	4	3	5	5	4	1.5	
CO4	5	4	5	4	5	5	5	3	4	5	4.5		
CO5	4	5	4	3	5	5	4	4	4	4	4.2		
	Mean Overall Score							4	.44				

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Industrial Relations: Meaning, Definition, Scope, Need and Factors Influencing IR Evolution of IR- Characteristics and Participants of IR. Approaches to IR-Maxian, Giri, Webbs, Dunlop. Influence of Socio-Economic, Political and Technical Forces on Industrial Relations; IR at Shop Floor and Plant: Employee Discipline, Grievance Redressal Machinery.

Unit II

Trade Unions: Meaning, General features- Principals of Union- Major trade unions in India- Problems and Weakness of trade union- Measures to Strengthening the Functioning of trade union. Trade Union: Origin and Growth of trade union movement in India - Theories - Functions - Administration of Unions - Leadership - Membership and Finance. Trade Union Act.

Unit III

Collective Bargaining: Main Features –Importance- Contents and Coverage of Collective Bargaining: Concept, Goals, Principles, Prerequisites. Bargaining Strategies - The factors influencing Collective bargaining - Skills of an effective bargaining agent. Workers Participation in Management: Concept - Aims and objectives - Scope - Levels of Participation, Forms of Participation in India-Conditions essential for working of the Scheme of workers' participation in Management.

Unit IV

Industrial Dispute: Meaning, Concept, Instruments of Coercion – Strike, Picketing, Bandh, Strikes and Lock – Out; Dispute Settlement Mechanisms: Bipartite Approach – Negotiation, Mediation, Works Committee, Significance of Employers' Federations; Tripartite Approach - Conciliation, Arbitration, Adjudication - Court of Enquiry, Labour Courts, Industrial Tribunal, National Tribunal, Awards; industrial democracy – Workers Participation.

Unit V

Industrial Relations Legislation: Indian Trade Union Act 1926, Industrial Disputes Act 1947, Industrial Employment (Standing Orders) Act 1946. International Labour Organization: History - Aims and Objectives - Structure - Functions. Influence of ILO on Indian Industrial Relations - Labour welfare practices in India. Emerging Trends in Union - management relations: Impact of Liberalization, Privatization and Globalization.

TEXT BOOK:

- 1. B. Nandhakumar, Vijay Nicole, 2015, Industrial Relations Labour Welfare and Labour Laws, Imprints Private Limited, Chennai.
- 2. S C Srinivastava, 2007, Industrial Relations and Labour Laws, Vikas Publishing House Private Limited, New Delhi.

- 3. P. R. N. Sinha, Indu Bala Sinha, Seema Priyafarshini Shekhar, 2020, Industrial Relations, Trade Unions and Labour Registration, Pearson.
- 4. M. Sivakumar, 2011, Industrial Relations and Labour Welfare, Lakshmi Publications, Chennai.
- 5. Yoder, Dale. 1976. Personnel Management and Industrial Relations. New Delhi: Prentice Hall of India Pvt. Ltd.

REFERENCES

- 1. Johnson, T. L. 1981. Introduction to Industrial Relations. Britain: MacDonald & Enerd. Great
- 2. Mamkootam. Kuriakose. 1982. Trade Unions. Myth and reality. New Delhi: Oxford University press.
- 3. Mamoria, C. B. and Mamoria Satish. 1984. Industrial Labour. Social Security and Industrial peace in India. Allahabad: Kitab Mahal.
- 4. Punekar, S. D. et. al. 1981. Labour welfare. Trade Unions and Industrial Relations. Bombay: Himalaya Publishing House.
- 5. Ramassamy. E. A. and Uma Ramasamy. 1981. Industry and Labour An introduction. New Delhi: Oxford University Press.
- 6. White, K. Head. 1977. Industrial Relations. London: Hodder & Sought.
- 7. Yoder, Dale and Paul, D. Stanbhas, 1985. Personnel Management and Industrial Relations. New Delhi: Prentice Hall of India Pvt. Ltd.

QUESTION PATTERN

SECTION -A (10X2=20)

Answer ALL Questions

- 1. Mention two objectives of industrial relations.
- 2. What is the meaning of industrial relations?
- 3. Define 'leadership'.
- 4. What is meant by 'closed shop' and 'open shop'?
- 5. What is the meaning of collective bargaining?
- 6. Mention two strategies of collective bargaining.
- 7. What is meant by worker's participation in management?
- 8. Mention two skills of a bargaining agent.
- 9. What are the aims of ILO?
- 10. What is meant by 'liberalization'?

SECTION - B (5X5=25)

Answer ALL Questions

11.a) Describe the characteristics of industrial relations.

(or)

- b) Discuss the scope of industrial relations.
- 12. a) What are the principles of trade union?

(or)

- b) Give a brief note on the functions of trade unions in India.
- 13. a) Explain the importance of collective bargaining.

(or)

- b) Describe the prerequisites of collective bargaining.
- 14. a) List out the objectives of collective bargaining.

(or)

- b) Give a brief note on the conditions essential for the success of worker's participation in management.
- 15. a) Explain the Structure of ILO.

(or)

b) Describe the functions of ILO.

SECTION - C (3X10=30)

Answer any THREE Questions

- 16. Discuss the influence of ILO on industrial relation in India.
- 17. Give a detailed account on the major trade unions in India.
- 18. Describe the recent trends in collective bargaining with examples.
- 19. Discuss the various levels and forms of worker's participation in India.
- 20. Discuss the emerging trends in trade union management relations in India.

SPECIALISATION PAPER - IV

MEDICAL AND PSYCHIATRY SPECIALIZATION

YEAR – II		CODE: 19PSW42C
SEMESTER – IV	COMMUNITY HEALTH	HRS/WEEK: 6
CORE – XIII		CREDIT: 4

Course Outcomes:

After completing this course, students will:

CO1: Gain knowledge on health and hygiene.

CO2: Enlighten with occupational health disease.

CO3: Be exposed to health care delivery system.

CO4: Be aware on health education.

CO5: Understand the community health and its work process.

SEMESTER II		COURSE	CODE: 1	L9PSW42	С	TITLE OF THE PAPER: COMMUNITY HEALTH						
											HOURS:6	CREDITS:4
COURSE		PROGRA	AMME O	UTCOME	S		PROGRAMN		OUTCOMES			
OUTCOMES			(PO)					(PSO)				SCORE OF
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	ر	O'S
CO1	5	4	4	4	5	5	5	4	4	4	4	1.4
CO2	4	4	5	4	4	5	5	4	5	4	4	1.4
CO3	4	4	5	4	5	5	4	4	4	4	4	1.3
CO4	4	4	4	4	4	5	4	4	4	4	4.1	
CO5	5	4	5	4	5	5	4	5	4	5	4.6	
	Mean Overall Score						4	.36				

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Concept of Health: Meaning, Definition, Historical Development, Factors Influencing Health-Social and Preventive medicine. Organization and Administration of Health Care at the Center, State, District, Municipality and Village Level; Health Planning in India; Health Committees; Five Year Plan in Relation to Health Care. Emerging need for Palliative & Geriatric Care.

Unit II

Community Health Care - Changing Concepts; Primary Health Care for All; Health Status and Health Problems; Health Care Systems - Primary Health Centre; Private Health Systems Indigenous Systems; Voluntary Health Systems; Role of Social Worker in Community Health.

Unit III

Health Legislation; ESI Act 1948, Amendment 1975, Medical Termination of Pregnancy Act 1971. Doctors Patients and the Consumer Protection act 1986, PWD & Equal opportunities Act 1995, Reproductive health Act, Narcotics and Substance Act. Environmental Protection Act 1986.

Unit IV

Community Health care needs Assessment: Assessing Community Health needs-Moralizing core groups and Community Participation- Training of multipurpose health workers in community health Programs. Health Policies, Health Care Programmes in India: State and Central Insurance Scheme, Rashtriya Arokya Nithya, National Health Policy 1983, Population Problems and control.

Unit V

Health Programmes at the National level: National control of blind program, minimum needs program, welfare program for physically challenged, national health Programmes: family welfare, maternal and child health, ICDS, schools health program UIP, NMEP, NLEP, Diarrhea Disease control program.

TEXT BOOK:

- 1. Govt. of India (2002): National Health Policy, New Delhi, Ministry of Health and Family Welfare, New Delhi.
- 2. K. Park, 2013, Park Text Book of Preventive and Social Medicine, M/S Banarsidas Bhanot Publishers.
- 3. Pondicherry Aids Control Society, 2007 Pregnancy, Byword books Private Limited.
- 4. James F. McKenzie, Robert R. Pinger, Jerome E. Kotecki, An Introduction to Community Health.

5. James F. McKenzie, Robert R. Pinger, Denise M. Seabert An Introduction to Community and Public Health.

REFERENCES

- 1. Levant, Ronald F. 1984. Family Therapy. New Delhi: Prentice Hall of India Pvt. Ltd.
- 2. Mane P. and Gandevia K. 1992. Mental Health in India, Issues and Concerns. Bombay: Tata Institute of Social Sciences.
- 3. World Health Organization 1990. Schizophrenia Information for Families A Manual prepared by the World Schizophrenia Fellowship for Publication in Cooperation with the WHO.
- 4. World Health Organization 1992. Innovative Approaches in Mental Health Care. Psycho Social Interventions and Case Management. Geneva: WHO.
- 5. Jim Yong Kim et al (2000): Dying for Growth: Global Inequality and the Health of the Poor, Cambridge, Common Courage Press. Chapters 2&3.
- 6. Mackintosh, M and M.Koivusalo (Ed.) (2005): Commercialisation of Health Care: Global and Local Dynamics and Policy Responses, New York, UNRISD and Palgrave-Macmillan.

QUESTION PATTERN

SECTION -A (10X2=20)

Answer ALL Questions

- 1. Define Health.
- 2. What is Public Health?
- 3. What do you mean by voluntary health system?
- 4. Define Community health.
- 5. What do you mean by MTP?
- 6. Define Disability.
- 7. List out any four programmes under National Health Policy.
- 8. What is pollution?
- 9. What do mean by UIP?
- 10. List the salient feature of NLEP.

SECTION - B (5X5=25)

Answer ALL Questions

11. a. Explain the concept of Public health development in India.

(or)

- b. Discuss the administration of health care at state level.
- 12. a. Explain the concept of "Primary Health care For All".

(or)

- b. Narrate the role of social worker in community Health.
- 13. a. Highlight the salient features of consumer protection Act with respect to patients.

(or)

- b. Explain the need of ESI Act to the community.
- 14. a. Highlight the consequences of over population and suggest few control measures.

(or)

- b. Discuss the salient features of Environmental Protection Act.
- 15. a. Enumerate the importance of minimum need Programme.

(or)

b. Highlight the functions of ICDS.

SECTION -C (3X10=30)

Answer any THREE Questions

- 16. Narrate five year health care planning in India.
- 17. Discuss Health Care System in India.
- 18. Bring out the importance of PWD & Equal opportunities Act 1995.
- 19. Explain National Health Policy in India.
- 20. Enumerate National Health Programmes in India.

YEAR – II	CONCURRENT FIELD WORK	CODE: PSWF4
SEMESTER – IV	CONCURRENT FIELD WORK PRACTICUM – IV	HRS/WEEK: 10
CORE PRACTICAL – IV	PRACTICUIVI – IV	CREDIT: 4

Course Outcomes:

After completing this course, students will:

CO1: Be applicable of practical knowledge in different settings.

CO2: Learn the role of HR manager in industries.

CO3: Learn the role of social worker in NGO settings. **CO4:** Understand the role of medical social worker.

CO5: Be aware of organizing programme.

SEMESTER IV		COUR	SE CODE	: PSWF4		TITLE	TITLE OF THE PAPER: CONCURRENT FIELD WORK PRACTICUM – IV					CREDITS:4	
COURSE OUTCOMES		PROGRA	AMME O (PO)	UTCOME	S		PROGRAMN	MEAN SCORE OF					
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	C	CO'S	
CO1	5	4	5	3	5	5	4	3	5	5	4	4.4	
CO2	5	4	5	4	5	5	5	4	5	5	4	1.7	
CO3	5	4	5	4	5	5	5	4	5	5	4	1.7	
CO4	5	4	5	4	5	5	5	4	5	5	4.7		
CO5	5	3	5	4	5	5	5	4	5	5	4.6		
		•	•	•	М	ean Overall	Score	•	•	•	4	.62	

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

In the final semester the students go for practice based social work for two days in a week and expected to spend a minimum of 15 hours per week in the field.

The students are placed in villages or hospitals or schools or NGOs or government offices or counseling centers or welfare organizations or service organization or industries according to the fields of specialization for a semester where MSW supervisor is available.

During the placement the students are expected involve with the activities of the organization to whatever extent possible. The students make effort to get exposure and experience to relate the theoretical knowledge what they have gained in the class room and try to practice them. The students also undertake any assignments given to them by the agency; they may also undertake any research for the organization. The community organization programme is being organized by each student to promote extension activities towards different villages, institutions and organizations.

Every week the students write a report of their activities and submit to the concerned field work supervisor. The supervisor conducts individual and group conference every week regularly. At the end of the semester Viva- Voce is conducted by two examiners. 20 marks are being awarded by the internal faculty supervisor, 20 Marks are awarded by the Agency Supervisor and 60 marks are being awarded by the external examiner.

Marks Allotments

Specialization - Community Development

S.	Assigned Work	Internal	External
No		Faculty	External
			Examiner
1	Organization Profile, Group Work, Community	40	
	Organization Programme		
2	Presentation, Quality in Components,		60
	Communication		
	Total	100	

Specialization – Human Resource Management

S.	Assigned Work	Internal	External
No		Faculty	External
			Examiner
1	Organization Profile, Role of Human Resource	40	
	Management Department, Community		
	Organization Programme		
2	Presentation, Quality in Components,		60
	Communication		
	Total	100	

Specialization - Medical and Psychiatric

		Internal	External
S.	Assigned Work	Faculty	External
No			Examiner
1	Organization Profile, Case Work, Community	40	
	Organization Programme		
2	Presentation, Quality in Components,		60
	Communication		
	Total	100	

YEAR – II		CODE: JPSW1016
SEMESTER – IV	RESEARCH PROJECT	HRS/WEEK: 6
PROJECT		CREDIT :5

Course Outcomes:

After completing this course, students will:

CO1: Understand the importance of research.

CO2: Determine the factors in collecting reviews for the research projects.

CO3: Be aware of writing research proposal

CO4: Determine the findings for chosen topic.

CO5: Finds suggestion and conclusion for the research projects.

SEMESTER IV	COURSE CODE: JPSW1016 TITLE OF THE PAPER: RESEARCH PROJECT											
											HOURS :6	CREDITS:5
COURSE OUTCOMES	PROGRAMME OUTCOMES (PO)			PROGRAMME SPECIFIC OUTCOMES (PSO)				MEAN SCORE OF				
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	C	o's
CO1	4	5	4	4	4	4	4	5	4	4	4.2	
CO2	2	5	4	3	4	4	4	5	4	4	3	3.9
CO3	4	5	4	4	4	4	4	4	4	4	4	l.1
CO4	3	5	2	4	4	4	3	5	5	5	4	
CO5	4	5	3	4	4	4	4	5	5	5	4	1.3
	Mean Overall Score					4	l.1					

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

The students are placed under a supervisor for the research project work. The students are encouraged to start the project work in the third semester itself. Review meeting of three stages will be held in 20 days interval to monitor and guide the Students' Research Project.

Schedule for Review Meetings

Review Meet I — Finalization of Topic, Tool and Proposal Review Meet II — Introduction and Review of the Literature

Review Meet III — Data Analysis, Interpretation, Findings and Suggestions

In the fourth semester the students complete the research study and submit the final copy for valuation. At the end of the semester Viva- Voce is conducted by an external examiner (75 marks for Final Research Project Report and Viva Voce). The internal assessment is for 25 marks)

Research Report Format (The Research Project Report should be typed in Times New Roman Font, 12 font size with 1.5 line space)

- 1. Outer Cover
- 2. Title Page
- 3. Certificate
- 4. Preface
- 5. Acknowledgement
- 6. Table of Contents
- 7. List of Tables
- 8. List of Figures
- 9. List of Plates (if any)

{(The above nine items are the preliminaries of the research report, which should be numbered in Roman small numbers at the bottom of the page e.g. i, ii, iii.) Arabic numbers are used for the following items.}

Chapter I: Introduction

1. A brief General Introduction

2. Statement of the Research Problem

3. Need / Significance / Importance of the Study

Chapter II : It consists of Review of Literature (with an appropriate title)

This chapter ends with General and Specific Objectives

Chapter III : Methodology

This chapter describes the various steps used in carrying out the research task. It is described in the past tense.

- 1. Chapter Introduction
- 2. Field of Study.
- 3. Pilot Study
- 4. Research Design
- 5. Selection of Sample
- 6. Tools of Data Collection
- 7. Sources of Data
- 8. Pre testing

- 9. Actual Data Collection
- 10. Definition of Terms
- 11. Analysis
- 12. Limitations
- 13. Organisation of the Report

Chapter IV : Analysis and Interpretation

This chapter presents the analysed data either by a table or a chart and not both for the same variable. The variable name is given as a sub title, introduction of the variable, presentation of data (table No. and table title) analysis then interpretation of data. Interpretation is not mere description of the numbers into words but giving meaning

for the data distribution.

Chapter V: Main Findings (Percentage in brackets) and Suggestions

Chapter VI : Summary and Conclusion

Bibliography: It is arranged in the alphabetical order by the author's

name. Author's surname, year, title, place, publisher

Appendix

YEAR – II	BLOCK FIELD WORK PRACTICUM	CODE: PSWF5
SEMESTER – IV		HRS/WEEK: 10
EXTENSION – III	(INTERNSHIP)	CREDIT: 3

Course Outcomes:

After completing this course, students will:

CO1: Be applicable of practical knowledge in different settings.

CO2: Learn the role of HR manager in industries.

CO3: Learn the role of social worker in NGO settings.

CO4: Understand the role of medical social worker.

CO5: Be exposed to various skills in different settings.

SEMESTER IV		COUR	SE CODE	: PSWF5		TITLE OF	TITLE OF THE PAPER: BLOCK FIELD WORK PRACTICUM					
											HOURS :10	CREDITS:3
COURSE		PROGR	AMME O	UTCOME	S		PROGRAMN	1E SPECIFIC (OUTCOMES			
OUTCOMES			(PO)					(PSO)			MEAN SCORE OF CO'S	
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	5	4	5	4	5	5	4	3	5	5	4	1.5
CO2	5	3	5	4	5	5	5	3	5	5	4	1.5
CO3	5	3	5	4	5	5	5	3	5	5	4	1.5
CO4	5	3	5	4	5	5	5	3	5	5	4	1.5
CO5	5	4	5	4	5	5	5	4	5	5	4	1.7
	Mean Overall Score						4	.54				

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

The last month of the fourth semester the students go for block field placement training according to their fields of specialization (24 working days).

The student has to be part of the organization and take part in all the activities of the organization and undertake the assignments given to him.

After completion of one month placement the student submits an activity sheet, attendance certificate, daily reports to the department.

Every week the students write a report of their activities and submit to the concerned field work supervisor. The supervisor conducts individual and group conference every week regularly. At the end of the semester Viva- Voce is conducted by two examiners. 20 marks are being awarded by the internal faculty supervisor, 20 Marks are awarded by the Agency Supervisor and 60 marks are being awarded by the external examiner.

Block Field Work Practicum Marks Assessment

S.	Assigned Work	Internal	External
No		Faculty	External
			Examiner
1	Selecting the Agency, Report Submission, Agency	40	
	Profile		
2	Presentation, Quality in Components,		60
	Communication		
	Total	100	

THEORY EXAMINATION EVALUATION COMPONENT

Continuous Internal Assessment (CIA) (25)

Assignment - 5 Marks
Seminar - 5 Marks
Two written Examination - 15 Marks
Total - 25 Marks

Question Pattern (Written Examination)

Part – A (10X2=20) (Answer all the Question)

Part – B (6X5=30) (Answer all the Questions)

External Examination (75 Marks)

Question Pattern

Time: 3 Hours Max. Marks: 75

Section – A (10X2=20) (Answer all the Question) Two Questions from each Unit

Section – B (5X5=25) (Answer either a or b from each Question) Five Questions from each Unit

Section – C (3X10=30) (Answer any three from five Questions) Five Questions from each Unit

FIELD WORK PRACTICUM EVALUATION COMPONENT

S.	Activity	Internal	External
No		Marks	Marks
1	Observation Visit, Street Theatre Training	40	
	Programme & Group Project		
2	Presentation, Quality in Components,		60
	Communication		
	Total	100	

CONCURRENT FIELD WORK PRACTICUM EVALUATION COMPONENT

Concurrent Field Work Practicum - I

S.	Assigned Wor	·k	Internal	External
No			Faculty	External
				Examiner
1	Case Work, Group Work, Comm	40		
	Programme			
2	Presentation, Quality in	n Components,		60
	Communication			
	Total		100	

Concurrent Field Work Practicum - II

Specialization - Community Development

S.	Assigned Work	Internal	External
No		Faculty	External
			Examiner
1	Organization Profile, Group Work, Community	40	
	Organization Programme,		
2	Presentation, Quality in Components,		60
	Communication		
	Total	100	

Specialization – Human Resource Management

		Internal	External
S.	Assigned Work	Faculty	External
No			Examiner
1	Organization Profile, Role of Human Resource	40	
	Management Department, Community		
	Organization Programme,		
2	Presentation, Quality in Components,		60
	Communication		
	Total	100	

Specialization - Medical and Psychiatric

		Internal	External
S.	Assigned Work	Faculty	External
No			Examiner
1	Organization Profile, Case Work, Community	40	
	Organization Programme,		
2	Presentation, Quality in Components,		60
	Communication		
	Total	100	

Concurrent Field Work Practicum - III

Specialization - Community Development

		Internal	External
S.	Assigned Work	Faculty	External
No			Examiner
1	Organization Profile, Group Work, Community	40	
	Organization Programme		
2	Presentation, Quality in Components,		60
	Communication		
	Total	100	

Specialization – Human Resource Management

		Internal	External
S.	Assigned Work	Faculty	External
No			Examiner
1	Organization Profile, Role of Human Resource	40	
	Management Department, Community		
	Organization Programme		
2	Presentation, Quality in Components,		60
	Communication		
	Total	100	

Specialization - Medical and Psychiatric

		Internal	External
S.	Assigned Work	Faculty	External
No			Examiner
1	Organization Profile, Case Work, Community	40	
	Organization Programme		
2	Presentation, Quality in Components,		60
	Communication		
	Total	100	

SELF STUDY PAPERS EVALUATION COMPONENT

2 Written Examination - 60 Marks
 2 Seminars - 20 Marks
 2 Assignments - 20 Marks
 Total - 100 Marks

PROJECT EVALUATION COMPONENT

Internals (25 Marks)

i. Punctuality - 5 Marks
 ii. Sincerity & Genuineness - 5 Marks
 iii. Guidance Participation - 5 Marks
 iv. Ability to do Research Independently - 5 Marks
 v. Quality of Work - 5 Marks

External (75 Marks)

i. Presentation of the Dissertation (Materials) - 25 Marks
 ii. Quality of the work (Materials) - 25 Marks
 iii. Viva Presentation (Oral) - 25 Marks

BLOCK FIELD WORK PRACTICUM EVALUATION COMPONENT

S.No	Assigned Work	Internal	External
		Faculty	External
			Examiner
1	Selecting the Agency, Report Submission, Agency	40	
	Profile		
2	Presentation, Quality in Components,		60
	Communication		
	Total	100	

VALUE ADDED PROGRAMME

1. Eligibility for Admission to the Course

A candidate who is pursuing the Bachelor Degree or Master Degree is accepted eligible to study this programme.

2. Duration of the Course

This course of Study shall be for a month with 2 credits. There will be 30 hours consisting of 1 teaching hour per working day.

3. The Course of Study

Theory Papers - The Course of the Master of Social Work shall be under the Semester System according to the Syllabus to be prescribed from time to time. This Course consists of Core Subjects and Elective Subjects.

4. Objectives:

The programme is designed with the following objectives:

- To acquire specific knowledge on NGO Management.
- To understand the Project Management Dimensions, Planning and the implementation of Projects.
- To enhance skills and techniques on Project Proposal Writing.

5. Scope

- a. By studying this programme the student will get knowledge on the following
 - NGO Management
 - Project Management Dimensions, Planning and its implementation
 - Skills and Techniques of Project Evaluation or Resource Mobilization.
- b. The students will also get motivation to start a Nongovernmental Organization.

DUBATION ONE MONTH	NCO MANACEMENT	CODE: VAPSW711
DURATION – ONE MONTH	NGO MANAGEMENT	HRS: 30

Course Outcomes:

On successful completion of the course the students should enrich their knowledge about

- 1. NGO Management
- 2. Project Management Dimensions, Planning and its implementation
- 3. Skills and Techniques of Project management Evaluation or Resource Mobilization.
- 4. They will get motivation to start a Nongovernmental Organization.
- 5. Knowledge on function of NGO through Field based visit to NGOs.

DURATION – ONE MONTH		COURSE	CODE: V	APSW71	1	TIT	LE OF THE PA	HOURS :30	CREDITS:				
COURSE OUTCOMES		PROGRA	AMME O (PO)	UTCOME	S		PROGRAMME SPECIFIC OUTCOMES (PSO)					MEAN SCORE OF	
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	C	o's	
CO1	5	2	5	3	5	5	4	3	5	5	4	1.2	
CO2	5	3	5	4	5	5	4	3	5	5	4	1.4	
CO3	5	3	5	4	5	5	5	4	4	5	4	1.5	
CO4	4	3	5	3	5	5	3	4	4	4		4	
CO5	4	2	4	3	4	5	4	3	4	4	3	3.7	
				-	М	ean Overall	Score		•	•	4	.16	

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

Unit I

Management: Meaning, Definition, Concepts, Objectives and Functions. NGO's: Meaning, Definition, Concepts, Vision, Mission, Goals, Types, Functions and Approaches. Role of NGO's in Community Development.

Unit II

Legal - rational structure of Non-profits: Trusts and Societies with Special reference to Trust and Society Registration Acts- Foreign contributions and Regulation Act (FCRA) - Statutory Obligations- Income Tax Exemption (80-G, 12-A, & 35AC): Rules and Regulation - Resource Mobilization: Methods and Techniques of Fund Raising - International, National and Local Levels.

Unit III

Leadership in the NGO's Context — Practice of Human resources Management in NGO's - Human Resources Management and role of creating change agents — Staffing, recruiting, induction and training- CSR Activities: Definition, concepts and need - Concentration areas of CSR - Role of social workers in CSR-National and International CSR activities: TVS, Infosys and Tata.

Unit IV

Concept, Meaning, Definition and Types of projects – Projects Implementation and Management: Project Planning Matrix - Project Cycle Management - Identification and Formulation of Details Projects Report (DPP) with reference to Action AID and Save the Children- Rural Appraisal (PRA): Tools and Techniques, SWOC (Strengths, Weaknesses, Opportunities, and Challenges) Analysis.

Unit V

3 Field based visits to NGOs in Cuddalore, Villupuram and Pondicherry regions.

TEXT BOOK:

- 1. Allison, M. & Kaye, J. (2005). Strategic Planning for Nonprofit Organizations, 2nd ed. New York: John Wiley & Sons.
- 2. Batra, Nitin. 2004. Administration of social Welfare in India. Jaipur: Raj Publishing House.
- 3. Bhattachary, Sanjay. 2009. Social Work Administration and Development. New Delhi: Rawat Publication
- 4. Bradford W. Sheafor Charles J. Horejsi, 2011, Techniques and Guidance for Social Work Practice Ninth Edition, Eastern Economy Edition.
- 5. Robin Lall 2004 The Dynamics of NGO's New Delhi, Dominant Publishers.
- 6. Sooryamoorthy R and Gangrade K.D 2006 NGOs in India-A cross Sectional study New Delhi: Rawat.

7. Suresh Chandra Anne Karen Trollope, 2015, Non Governmental Organization Origin and Development, Rawat Publications.

QUESTION PATTERN SECTION - B (10X2=20) Answer ALL Questions

- 1. Name any two HSO's with human relations approach.
- 2. List the characteristics of human service organizations.
- 3. What do you mean by staffing?
- 4. Define decentralization.
- 5. What do you mean by induction?
- 6. Write any two advantages of networking.
- 7. What do you mean by Data Bank?
- 8. Define Budget.
- 9. Expand the following a) SSWB b) FCRA
- 10. Enlist any two acts for registration of non government organizations.

SECTION - B (5X6=30)

Answer ALL Questions

11. a) Explain in brief the systems theory for social welfare administration.

(or)

- b) Write briefly about the types of Human Service Organizations.
- 12. a) Write short notes on the administrative processes planning and organizing.

(or)

- b) Explain the elements of democratic administration.
- 13. a) What are the advantages of management by objectives?

(or)

- b) Write short notes on the following
- 14. a) Briefly explain budgeting as an essential skill for administration.

(or)

- b) Write short notes on Grants in Aid.
- 15. a) Compare and contrast the HSO's registered as Trusts and Societies.

(or)

b) Explain in brief the functions of Governing Boards and Committees.

DURATION – ONE MONTH	FOLK ARTS	CODE: VAPSW712
DURATION - ONE MONTH	FULK ARTS	HRS: 30

Course Outcomes:

On successful completion of the course the students should enrich their knowledge about

- 1. Verbal and non verbal communication
- 2. Culture and tradition of India and Tamilnadu.
- 3. Folks arts and its historical evolution.
- 4. Skills of Kargattam and Kummi
- 5. Skills of Kollattam and oyillattam.

DURATION – ONE MONTH	COURSE CODE: VAPSW712				TITLE OF THE PAPER: FOLK ARTS					HOURS :30	CREDITS:		
COURSE OUTCOMES	PROGRAMME OUTCOMES (PO)						PROGRAMME SPECIFIC OUTCOMES (PSO)					MEAN SCORE OF	
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	C	O'S	
CO1	5	2	5	3	5	5	4	3	5	5	4	1.2	
CO2	5	3	5	4	5	5	4	3	5	5	4	1.4	
CO3	5	3	5	4	5	5	5	4	4	5	4	l.5	
CO4	4	3	5	3	5	5	3	4	4	4		4	
CO5	4	2	4	3	4	5	4	3	4	4	3	3.7	
		•	•	•	М	ean Overall	Score	•		•	4	.16	

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

FOLK ARTS

Unit I

Communication: history, definition, functions and types. Nature Components and purposes. Verbal and Nonverbal communication. Public communication and Impact of Communication for social change.

Unit II

Culture and Tradition: Definition, Nature and Importance. Media Forms and Techniques. Understanding various Media Forms: Theatre, Dance, Sculpture, Print, Audio-Visual.

Unit III

Folk Arts: concept definitions, types. Folk arts in India. Folk arts in Tamilnadu: Classification, History and recent trends.

Unit IV

Major Folk Arts in Tamilnadu - 1: Kummi – meaning, History and recent trend. Karakattam - meaning, History and recent trend. Practical training on kummi and karakattam.

Unit V

Major Folk Arts in Tamilnadu -2: Oyillattam - meaning, History and recent trend. Kollattam - meaning, History and recent trend. Practical training on kollattam and oyillattam

Text books

- Alan Pipes. 2003. Foundations of Art and Design, Laurence King Publishing, London.
- 2. Dhamija, J. 1970. Indian Folk Arts and Crafts. New Delhi: National Book Trust India.
- 3. Henry Glassie. 1995. The Spirit of Folk Art. New York.

- 4. Hernandez, Jo Farb. 2005. Forms of Tradition in Contemporary Spain.

 Jackson: University Press of Mississippi and San Jose State University.
- 5. Parmar, S. 1975. Traditional Folk Media in India. New delhi: Geka Books.

REFERENCES

- 1. U S Krishna Rao & U K Chandrabagha Devi. A Panorama of Indian Dances.
- 2. Krishnna, Nanditha, 1998, Folk arts of Tamilnadu: The performing arts, C.P. Ramaswami Aiyar Foundation.
- 3. Chithra Madhavan, History and Culture of Tamil Nadu, D.K. Print World Ltd.
- 4. S. Simon Jhon, Folk Narratives: Rituals and Performances reflects.
- 5. S. M. I. Lakshmanan Chettiar, Folklore of Tamil Nadu.
- 6. Ezhilavan, Folk performing art of Tamil Nadu, Bio Green Books.

QUESTION PATTERN SECTION - B (10X2=20) Answer ALL Questions

- 1. What is communication?
- 2. What is public communication?
- 3. Define Culture.
- 4. List two forms of media.
- 5. Write a short note on Folk arts.
- 6. List the classification of folks arts in india.
- 7. Make a short note on Kummi.
- 8. Write a note on Karagam.
- 9. What is Oyilattam?
- 10. What is Kollattam?

SECTION - B (5X6=30)

Answer ALL Questions

11. a) What are the components of communication?

(or)

- b) Explain in detail the impact of communication for social change.
- 12. a) List the importance of culture in life.

(or)

- b) What are the various forms of media?
- 13. a) Discuss in detail the evolution of folk arts in India.

(or)

- b) Explain critically the recent trends of folk arts in Tamilnadu.
- 14. a) Discuss the present status of Karagattam in Tamilnadu.

(or)

- b) What are the ways to promote Kollattam?
- 15. a) Critically analyze the recent trends in Kummi.

(or)

b) Explain in short about oyillattam and its status today.

DUBATION ONE MONTH	CTEET DLAV	CODE: VAPSW713
DURATION – ONE MONTH	STEET PLAY	HRS: 30

Course Outcomes:

On successful completion of the course the students should enrich their knowledge about

- 1. Importance of communication.
- 2. Analysis of the self and the society.
- 3. Concept and story development.
- 4. Acting skills.
- **5.** Concept of street and its relevance.

DURATION - ONE		COURSE CODE: VAPSW713					TITLE OF THE PAPER: STREET PLAY							
MONTH											HOURS :30	CREDITS:		
COURSE		PROGRA	AMME O	UTCOME	S		PROGRAMN	NE SPECIFIC (OUTCOMES					
OUTCOMES		(PO)					(PSO)					CORE OF		
(CO)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	C	CO'S		
CO1	5	2	5	3	5	5	4	3	5	5	4	1.2		
CO2	5	3	5	4	5	5	4	3	5	5	4	1.4		
CO3	5	3	5	4	5	5	5	4	4	5	4	1.5		
CO4	4	3	5	3	5	5	3	4	4	4	4			
CO5	4	2	4	3	4	5	4	3	4	4	3	3.7		
	Mean Overall Score									4	.16			

This Course is having **VERY HIGH** association with Programme Outcome and Programme Specific Outcome

Association	1%-20%	21%-40%	41%-60%	61%-80%	81%-100%
Scale	1	2	3	4	5
Interval	0<=rating<=1	1.1<=rating<=2	2.1<=rating<=3	3.1<=rating<=4	4.1<=rating<=5
Rating	Very Poor	Poor	Moderate	High	Very High

STREET PLAY

Unit I

Communication: history, definition, functions and types. Nature Components and purposes. Verbal and Nonverbal communication. Public communication and Impact of Communication for social change.

Unit II

Understanding Self. Strength and weakness; opportunity and threat, SWOT Analysis, goal setting. Analysis of Society: Individual, people and communities issues and challenges.

Unit III

Understanding the Concept and Story Development: Concept Development - Concept Development and Realization-Concept Generation & Analysis. Creative thinking of concepts and Creative Thinking Techniques. The art of writing: Understanding the audience, context for writing, categories and characteristics of writing.

Unit IV

Acting Skills: How to observe, act and emote. Understand and develop acting skills. Characterization, guiding principles for evolving effective and credible characters. Audience Analysis, Segmentation, Targeting and Positioning; Audience Research Demographics, Psychographics.

Unit V

Street Play: Concept, evolution and principles. Street play for Social and political Issues. Strategy, methodology and Recent trends in Street Play. Tools for street play.

Text books

- 1. DeVito Joseph A. 2000. Human Communication: The Basic Course, Harper & Row, London.
- 2. Dwight V.Swain. Creating Characters
- 3. Robert Hilliard. 1982. Writing for Television and Radio, Hasting House, New York.
- 4. Stephen W. Littlejohn& Karen A. Foss. 2010. Theories of Human Communication, Waveland Press, Inc., U.S.
- 5. Thomas S.Kane. The New Oxford Guide to Writing.

REFERENCES

- **1.** Timothy Gerard. 1997. Writing for Multimedia: Entertainment Education, Training, Advertising and World Wide Web, Focal Press, Oxford.
- 2. Roy Peter Clark, Writing Tools: 55 Essential stages for every writer.
- 3. Natalie Goldberg, Writing down the bones: freeing the writer within.
- 4. Christopher Vogler, 2007, The Writers Journey: Mythic Structure for Writers, Michael Wiese Productions.
- 5. Stanly Fish, 2012, How to Write a Sentence: And How to Read One Harper Paperbacks; Reprint edition.
- 6. Charles Bukowsk, 2016, On Writing Paperback, Ecco; Reprint edition

QUESTION PATTERN SECTION - B (10X2=20)

Answer ALL Questions

- 11. What is communication?
- 12. What is public communication?
- 13. Expand: SWOT
- 14. List two issues in the society.
- 15. Write a short note on concept development.
- 16. What is creative thinking?
- 17. What is characterization?
- 18. Audience analysis Explain this concept.
- 19. What is street play?
- 20. List any two strategies to be adopted in street play.

SECTION - B (5X6=30)

Answer ALL Questions

11. a) What are the components of communication?

(or)

- b) Explain in detail the impact of communication for social change.
- 12. a) Make a SWOT analysis of yourself.

(or)

- b) What are the challenges in the society?
- 13. a) List the creative thinking techniques.

(or)

- b) What are the characteristics of writing?
- 14. a) Discuss the ways to promote acting skills.

(or)

- b) What are the principles of effective character?
- 15. a) Critically analyze the recent trends in street play.

(or)

b) Explain in brief the guiding principles of Street play.

I B.com / IB.com(Bank Management)	BUSINESS ECONOMICS - I	AECM101T/ AEBM101T	
SEMESTER - I		HRS/WK – 5 TOTAL 75 HRS	
ALLIED-1		CREDIT -4	

Objectives:

- ➤ To equip the students with basic knowledge on the principles of business economics.
- ➤ To acquaint the students with consumer behaviour, cost concepts and production function.

Course Outcomes:

At the end of the Course the students should be able to exhibit

- > CO1:Understands the Meaning, Definitions of Economics, Business Economics & their relationship
- > CO2: knowledge about Demand, Consumer behavior & Demand Forecasting
- > CO3: Indifference curve concept ,Scale of preference of consumer & consumer surplus
- > CO4:Knowledge about factors of production features & Laws of production
- > CO5: Various cost concepts & their relationship in production process.

Unit I: Introduction to Business Economics

15 HOURS

Economics-Meaning-Definitions-BusinessEconomics-Definition-Nature and Scope-Role of Business Economists-Relationship of Business Economics and other disciplines.

Unit II: Demand Analysis

15 HOURS

Demand – Meaning-Definition-Factors Influencing Demand – Law of Demand – Exceptions to the Law of Demand – Elasticity of Demand – Types of Elasticity of Demand – Demand Forecasting-Meaning-Definition-Objectives.

Unit III: Indifference curve Analysis

15 HOURS

Indifference Curve Analysis – Marginal Rate of Substitution – Properties of Indifference Curves –Indifference Map-Budget line or Price line- Consumer's Equilibrium-Consumer Surplus .

Unit IV: Theory of Production

15 HOURS

Introduction-Factors of Production-Production Function – Importance of Production Function – The Cobb-Douglas Production Function – The Law of Variable Proportions – The Law of Returns to Scale .

Unit V: Cost Function

15 HOURS

Meaning of Cost –Cost Concepts-Short Run Cost curves- Marginal Cost, Average Cost, Total Cost, Fixed Cost, and Variable Cost –Relationship between Average cost & Marginal cost-Long Run Average Cost Curve.

Text Books:

- 1. JothiSivagnanam. K & Srinivasan R, Business Economics, Tata McGraw Hill Education Pvt. Ltd., Publication, New Delhi.
- 2. K.K.Dewett, Modern Economic Theory, S.Chand & Company LTD, New Delhi.
- 3. K.P.M.Sundaram, Business Economics, Sultan Chand and Sons, New Delhi.
- 4. T.Aryamala ,Business Economics ,Vijay Nicole Imprints Private Limited,Chennai

References:

- 1. Lipsey, Richard, G.,1969, Introduction to Positive Economics, English Language Book Society and Weidenfeld and Nicolson, London.
- 2. Mannur, H.G., 1993, International Economics: Theory and Policy Issues, Vikas Publishing House Pvt. Ltd., New Delhi.
- 3. Samuelson, Paul Anthony and William D. Nordhaus,1998,Economics,Ed.6,New Delhi: Tata McGraw Hill Publishing Company Ltd.New Delhi.
- 4. Hal R.Varian,Inter Mediate Micro Economics: A Modern Approach,W.W.Norton and Company,New York.
- 5. Gardner Ackley ,MicroEconomics,The Macmillan Co,New York.

Journals for Reference

- 1. Journal of Applied Economics.
- 2. International Journal of the Economics of Business.

Websites for Reference

http://www.yahoo.com/socialscience/economics/infoseek-economics www.sciencedirect.com;

Question Paper Pattern

Time: 3 hours Marks: 75

Part - A : $(10 \times 2 = 20 \text{ marks})$ All the questions are to be answered

Part – B: (5 x 5 = 25 marks)
Five questions with internal choice.
(Either or pattern)

Part – C: $(3 \times 10 = 30 \text{ marks})$ Three out of five with open choice

I B.com		AECM202T	
CEMECTED II	DUCINECS ECONOMICS II	HRS/WK - 5	
SEMESTER - II	BUSINESS ECONOMICS - II	TOTAL 75 HRS	
ALLIED-2		CREDIT -4	

Objectives:

- ➤ To understand the behaviour of Firms in different Marketcopetitions and Factor Pricing .
- > To introduce Welfare Economics.

Course Outcomes:

At the end of the Course the students should be able to exhibit the following

- > CO1: Understands Perfect Market competitions, Output , fixing of price & Role of Time in a market .
- > CO2: Understands different Imperfect Market competitions-their Output & Price fixing
- > CO3: Get knowledge about Marginal productivity theory in Factor pricing
- > CO4:Knowledge about how Interest & profit is determined.
- **CO5: Understands the importance of Welfare Economics**

Unit I: Theory of Pricing under Perfect Competition

15 HOURS

Perfect Competition: Equilibrium of the Firm and Industry – Derivation of the Supply Curve – Market Adjustment Process – Time Element.

Unit II: Theory of Pricing under Imperfect Competition 15 HOURS

Monopolistic Competition: Product Differentiation – Selling Cost – Oligopoly – Cournot Model – Kinked Demand Curve – Collusion and Price Leadership.

Unit III: Theory of Factor Pricing-1

15 HOURS

Marginal Productivity Theory of Distribution- Theories of Rent: Ricardian Theory, Modern Theory and Quasi Rent -Theories Of Wages: Iron Law of Wages , Wage Fund Theory.

Unit IV: Theory of Factor Pricing- 2

15 HOURS

Theories of Interest: Loanable Fund Theory, Liquidity Preference Theory-Theories of Profit: Dynamic Theory, Uncertainity Theory and Innovation Theory.

Unit V: Welfare Economics

15 HOURS

Welfare–Meaning - Definition-Positive Economics & Welfare Economics-Divergence between Individual and Social Welfare-New Welfare Economics Pareto's Welfare Criterion.

Text Books:

- 1. JothiSivagnanam. K & Srinivasan R, Business Economics, Tata McGraw Hill Education Pvt. Ltd., Publication, New Delhi.
- 2.Dewett.K.K, Modern Economic Theory, S. Chand & Company ltd, Delhi, PP 948-968.
- 3. K.P.M.Sundaram, Vaish, Micro Economic Theory, Sultan Chand and Sons, New Delhi.

Reference Books:

- 1. Lipsey, Richard, G.,1969, Introduction to Positive Economics, English Language Book Society and Weidenfeld and Nicolson, London.
- 2. Mannur, H.G., 1993, International Economics: Theory and Policy Issues, Vikas Publishing House Pvt. Ltd., New Delhi.
- 3. Samuelson, Paul Anthony and William D. Nordhaus,1998,Economics,Ed.6,New Delhi: Tata McGraw Hill Publishing Company Ltd.New Delhi.

Journals for Reference

- 1. Journal of Applied Economics.
- 2. International Journal of the Economics of Business.

Websites for Reference

http://www.yahoo.com/socialscience/economics/infoseek-economics www.sciencedirect.com;

Question Paper Pattern

Time: 3 hours Marks: 75

Part - A : $(10 \times 2 = 20 \text{ marks})$ All the questions are to be answered

Part – B: (5 x 5 = 25 marks)
Five questions with internal choice.
(Either or pattern)

Part – C: $(3 \times 10 = 30 \text{ marks})$ Three out of five with open choice

YEAR – I	
SEMESTER - II	
ALLIFD	

BUSINESS STATISTICS AND OPERATIONS RESEARCH

21ABS22
HRS/WEEK - 5
CREDIT - 3

BUSINESS STATISTICS AND OPERATIONS RESEARCH

OBJECTIVE:

To motivate the students to apply the statistical techniques in their respective major subjects.

(A question paper must contains 80% problems and 20% theory)

UNIT - I

Introduction: Collection of data – Primary data and Secondary data – Different methods of collecting primary data – Classification and Tabulation of Statistical data. Frequency distribution: Simple and Cumulative. Measures of Central value: Arithmetic Mean, Median, Mode, Geometric Mean and Harmonic Mean.

UNIT - II

Measures of Dispersion: Range, Quartile Deviation, Mean Deviation, Standard Deviation-Combined standard deviation and Coefficient of Variation. Measures of Skewness: Karl Pearson's and Bowley's methods.

UNIT - III

Correlation: Karl Pearson's coefficient of correlation, Spearman's rank correlation coefficient. Regression analysis: Simple regression equations.

UNIT - IV

Operations Research – Nature and meaning, Scientific methodology, Scope. Linear programming – Struture and assumption - Graphical method of the solution of linear programming problems (simple problems only).

UNIT-V

Transportation problems - North west corner method, Least cost method and Vogel's approximation method (simple problems only).

Text Books:

- 1. "Business statistics and Operations research" (2nd edition 2009) , S.P.Rajagopalan and R.Sattanathan ,Tata McGraw-Hill Publishing Company Limited,New Delhi.
- 2. "Statistical Methods" (32nd edition 2004), Gupta. S. P., Sultan Chand & Sons, New Delhi.

Reference Books:

- 1. "Business Statistics", Gupta. S. P., Gupta. P. K. and Manmohan.
- 2. "Introduction to OR", Dr.P.R.Vittal
- 3. "Operations Research", Hira and Gupta, S.Chand.
- 4. "Business Statistics" (1st edition 2008), Bharat Jhunjhunwala, S. Chand & Company Ltd.