

DON BOSCO ARTS & SCIENCE COLLEGE
ANGADIKADAVU

(Affiliated to Kannur University Approved by Government of Kerala)

ANGADIKADAVU P.O., IRITTY, KANNUR – 670706



COURSE PLAN

(B Sc Psychology)

(2021 - 24)

SEMESTER – II

ACADEMIC YEAR 2021 – 22

II Semester (B Sc Psychology) (2021 - 24)

Sl. No.	Name of Subjects with Code	Name of the Teacher	Duty Hours Per Week
1.	2A03 ENG Readings on Life and Nature	Anila Mary Thomas	5
2.	2A04 ENG Readings on Gender	Anu P Thomas	4
3.	2A08 MAL Kavitha Mathrukakal	Rajisha Ck	4
4.	2A08 HIN Rachana Thatha Prayog	Jainy N George	4
5.	2B03PSY Cognitive Process	Seemanth Chandran	3
6.	2B04PSY Self Development Practices-Practical	Sr.Leema	1
7.	2C02STA Statistical Methods	Varsha C	4
8.	2 C 02 PSY Physiological Psychology	Albin Joseph	4
	Name of Class In-charge	Albin Joseph	

Day	09.50 Am - 10.45 Am	10.45 Am -11.40 Am	11.55 Am -12.50 Pm	01.40 Pm - 02.35 Pm	02.35 Pm - 03.30 Pm
1	2A08 MAL Kavitha Mathrukakal/ 2A08 HIN Rachana Thatha Prayog	2A03 ENG Readings on Life and Nature	2 C 02 PSY Physiological Psychology	2A04 ENG Readings on Gender	2B03PSY Cognitive Process
2	2A03 ENG Readings on Life and Nature	2C02STA Statistical Methods	2A08 MAL Kavitha Mathrukakal/ 2A08 HIN Rachana Thatha Prayog	2B03PSY Cognitive Process	2 C 02 PSY Physiological Psychology
3	2C02STA Statistical Methods	2B03PSY Cognitive Process	2A03 ENG Readings on Life and Nature	2A08 MAL Kavitha Mathrukakal/ 2A08 HIN Rachana Thatha Prayog	2A04 ENG Readings on Gender
4	2B04PSY Self Development Practices-Practical	2A03 ENG Readings on Life and Nature	2A04 ENG Readings on Gender	2A08 MAL Kavitha Mathrukakal/ 2A08 HIN Rachana Thatha Prayog	2C02STA Statistical Methods
5	2C02STA Statistical Methods	2A04 ENG Readings on Gender	2 C 02 PSY Physiological Psychology	2B03PSY Cognitive Process	2A03 ENG Readings on Life and Nature

Subject Code:	2A03 ENG
Subject Name:	READINGS ON LIFE AND NATURE
No. of Credits:	4
No. of Contact Hours:	90
Hours per Week:	5
Name of the Teacher:	ANILA MARY THOMAS

SYLLABUS

Course Outcomes

1. Understand the basic themes and issues related to ecology through articles, poems, stories, life writings and historical narratives.
2. Assume ecologically friendly attitudes in events related to everyday life.
3. Identify the specific ecological problems related to Kerala.
4. Identify the major ecological movements around the world and within the country.
5. Ability to express specific opinions when confronted with ecology/development binary.
6. Identify the major or minor ecological issues happening around the student's native place.

Contents

Module – I (2 hours/week)

1. Environmental Studies: Definition, Scope and Importance
2. Concept of an Ecosystem
3. The Fish – Elizabeth Bishop
4. Trophic Cascade – Camille T. Dungy
5. The Rightful Inheritors of the Earth – Vaikom Muhammad Basheer

Module – II (2 hours/week)

1. Biodiversity
2. Disaster Management: Floods, Earthquakes, Cyclones, Landslides
3. Real Estate - Sebastian
4. The Truth about the Floods – Nissim Ezekiel
5. Matsyagandhi – Sajitha Madathil

Module – III (1 hour/week)

1. Role of an Individual in Prevention of Pollution
2. Environmental Values

3. The End of Living - The Beginning of Survival – Chief of Seattle

4. Going Local – Helena Norberg-Hodge

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	07-02-2022 To 12-02-2022	1	Environmental studies
		2	Definition/ Introduction
		3	Scope of Environmental studies
		4	Importance of Environmental studies
		5	Importance of environmental studies
		12-02-2022	Second Saturday
2	14-02-2022 To 19-02-2022	6	Class Test
		7	Importance of Environmental studies
		8	Importance of Environmental studies
			College Arts Fest
			College Arts Fest
		9	The Fish – Elizabeth Bishop
3	21-02-2022 To 26-02-2022	10	The Fish – Elizabeth Bishop
		11	The Fish – Elizabeth Bishop
		12	The Fish – Elizabeth Bishop
		13	The Fish – Elizabeth Bishop
		14	Trophic Cascade – Camille T Dungy
		15	Trophic Cascade – Camille T Dungy
4	28-02-2022 To 05-03-2022	16	Trophic Cascade – Camille T Dungy
		01-03-2022	Shivarathri
		17	Trophic Cascade – Camille T Dungy
		18	Class Test
		19	The Rightful Inheritors of the Earth – Basheer
		20	The Rightful Inheritors of the Earth – Basheer
5	07-03-2022 To 12-03-2022	21	The Rightful Inheritors of the Earth – Basheer
		22	The Rightful Inheritors of the Earth – Basheer
		23	Biodiversity
		24	Biodiversity
		25	Biodiversity
		12-03-2022	Second Saturday
6	14-03-2022 To 19-03-2022	26	Biodiversity
		27	Disaster Management
		28	Flood
		29	Earthquake

		30	Earthquake
		31	Cyclone
7	21-03-2022 To 26-03-2022	32	Cyclone
		33	Landslides
		34	Landslides
		35	Real Estate
		36	Real Estate
		37	Real Estate
8	28-03-2022 To 02-04-2022	38	Class Test
		39	The Truth about the Floods
		40	The Truth about the Floods
		41	The Truth about the Floods
		42	The Truth about the Floods
		43	Matsyagandhi
9	04-04-2022 To 09-04-2022	44	Matsyagandhi
		45	Matsyagandhi
		46	Role of the individual in prevention of pollution
		47	Role of the individual in prevention of pollution
		48	Role of the individual in prevention of pollution
		49	Role of the individual in prevention of pollution
10	11-04-2022 To 16-04-2022	50	Class Test
		51	Class Test
		13-04-2022	Easter Holidays
		14-04-2022	Easter Holidays
		15-04-2022	Easter Holidays
		16-04-2022	Easter Holidays
11	18-04-2022 To 23-04-2022	18-04-2022	Easter Holidays
		52	I Internal Examination
		53	I Internal Examination
		54	I Internal Examination
		55	I Internal Examination
		56	I Internal Examination
12	25-04-2022 To 30-04-2022	57	Environmental values
		58	Environmental values
		59	Environmental values
		60	Environmental values
		61	Environmental values
		62	The End of Living - The Beginning of survival
		63	The End of Living - The Beginning of survival
13	02-05-2022 To 07-05-2022	02-05-2022	RAMZAN
		64	The End of Living - The Beginning of survival
		65	The End of Living - The Beginning of survival
		66	The End of Living - The Beginning of survival

		67	The End of Living - The Beginning of survival
		68	The End of Living - The Beginning of survival
14	09-05-2022 To 14-05-2022	69	The End of Living - The Beginning of survival
		70	The End of Living - The Beginning of survival
		71	Concept of environmental an Ecosystem
		72	Concept of environmental an Ecosystem
		73	Concept of environmental an Ecosystem
		14-05-2022	Second Saturday
15	16-05-2022 To 21-05-2022	74	Concept of environmental an Ecosystem
		75	Concept of environmental an Ecosystem
		76	Concept of environmental an Ecosystem
		77	Concept of environmental an Ecosystem
		78	Going Local
		79	Going Local
16	23-05-2022 To 28-05-2022	80	II Internal Examination
		81	II Internal Examination
		82	II Internal Examination
		83	II Internal Examination
		84	II Internal Examination
		85	II Internal Examination
17	30-05-2022 To 04-06-2022	86	Going Local
		87	Going Local
		88	Going Local
		89	Going Local
		90	Class Test
			Class Test

Subject Code:	2A04 ENG
Subject Name:	Readings on Gender
No. of Credits:	3
No. of Contact Hours:	72
Hours per Week:	4
Name of the Teacher:	Anu P Thomas

SYLLABUS

MODULE I

1. An Introduction Kamala Das
2. Kitchen Rags VijilaChirappad
3. DhakshayaniVelayudhan: A Life Sketch"- MeeraVelayudhan
4. Learning to be a Mother ShashiDeshpande
5. Is this Desirable LalithambikaAntharjanam

MODULE II

1. Still I Rise Maya Angelou
2. I Am Not that Woman KishwarNaheed
3. Structural Violence and the Trans Struggle for Dignity Gee ImaanSemmalar
4. Gender Justice and Media Ammu Joseph
5. Clothing Matters: Visiting the MelmunduSamaram in Keralam K M Sheeba

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	07-02-2022 To 12-02-2022	1	Introduction to Gender
		2	Introduction to Gender Equality
		3	Poem "An Introduction " - Kamala Das
		4	Poem " An Introduction " - Kamala Das
		12-02-2022	Second Saturday
2	14-02-2022 To 19-02-2022	5	Poem "Kitchen Rags "
		6	Poem "Kitchen Rags "
		7	Analysis and discussion of the poem "Kitchen Rags "
			College Arts Fest

			College Arts Fest
3	21-02-2022 To 26-02-2022	8	"Gender Justice and Media" - Ammu Joseph
		9	"Gender Justice and Media" - Ammu Joseph
		10	Gender Justice and Media" - Ammu Joseph
		11	Group discussion on "Gender Justice and Media"
4	28-02-2022 To 05-03-2022	12	Class Test
		01-03-2022	Shivarathri
		13	"Dhakshayani Velayudhan: A Life Sketch"- Meera Velayudhan
		14	"Dhakshayani Velayudhan :A Life Sketch"- Meera Velayudhan
		15	Class Presentation
5	07-03-2022 To 12-03-2022	16	Class Test
		17	"Learning to be a Mother "- Shashi Deshpande
		18	"Learning to be a Mother "- Shashi Deshpande
		19	Discussion on "Learning to be a Mother "
		12-03-2022	Second Saturday
6	14-03-2022 To 19-03-2022	20	"Is this Desirable " - Lalithambika Antharjanam
		21	"Is this Desirable " - Lalithambika Antharjanam
		22	"Is this Desirable"- Lalithambika Antharjanam
		23	Class Presentation
7	21-03-2022 To 26-03-2022	24	Class presentation
		25	Class Test
		26	"Still I Rise" - Maya Angelou
		27	"Still I Rise"- Maya Angelou
8	28-03-2022 To 02-04-2022	28	"Still I Rise"- Maya Angelou
		29	Discussion on "Still I Rise"
		30	Group Discussion
		31	Class Presentation
9	04-04-2022 To 09-04-2022	32	"I'm not that Woman"- Kishwar Naheed
		33	"I'm not that Woman "- Kishwar Naheed
		34	"I'm not that Woman"- Kishwar Naheed
		35	Group Discussion on "I'm not that Woman"
		36	"Structural Violence and the Trans Struggle for Dignity" - Gee Imaan Semmalar
10	11-04-2022 To 16-04-2022	37	"Structural Violence and the Trans Struggle for Dignity"- Gee Imaan Semmalar
		38	Group Discussion
		13-04-2022	Easter Holidays
		14-04-2022	Easter Holidays
		15-04-2022	Easter Holidays
		16-04-2022	Easter Holidays
11	18-04-2022	18-04-2022	Easter Holidays

	To 23-04-2022	39	I Internal Examination
		40	I Internal Examination
		41	I Internal Examination
		42	I Internal Examination
		43	I Internal Examination
12	25-04-2022 To 30-04-2022	44	"Clothing Matters: Visiting the Melmundusamaram in Keralam" - K M Sheeba
		45	"Clothing Matters: Visiting the Melmundusamaram in Keralam" - K M Sheeba
		46	"Clothing Matters: Visiting the Melmundusamaram in Keralam" - K M Sheeba
		47	Class Presentation
		48	Class Presentation
13	02-05-2022 To 07-05-2022	02-05-2022	RAMZAN
		49	"Clothing Matters: Visiting the Melmundusamaram in Keralam" - K M Sheeba
		50	Class Presentation
		51	Class Presentation
14	09-05-2022 To 14-05-2022	52	Class Test
		53	Revision - Module I
		54	Revision - Module II
		55	Revision
		56	Class Test
		14-05-2022	Second Saturday
15	16-05-2022 To 21-05-2022	57	Class Presentation
		58	Class Presentation
		59	Group Discussion
		60	Revision
		61	Revision
		62	Revision
16	23-05-2022 To 28-05-2022	63	II Internal Examination
		64	II Internal Examination
		65	II Internal Examination
		66	II Internal Examination
		67	II Internal Examination
		68	II Internal Examination
17	30-05-2022 To 04-06-2022	69	Revision
		70	Revision
		71	Revision
		72	Revision

Subject Code:	2B 03 PSY
Subject Name:	COGNITIVE PROCESS
No. of Credits:	3
No. of Contact Hours:	90
Hours per Week:	4
Name of the Teacher:	SEEMANTH CHANDRAN.P.K

SYLLABUS

Unit I: Attention

Attention- concept and definition, Factors affecting attention, span of attention, distraction of attention, division of attention, selective attention, shifting of attention. Models of attention filter theory, attenuation theory, late selection theory, multimode theory, capacity and mental effort; schema theory.

Unit II: Sensation and Perception.

Sensation and Psycho physics: definition, concepts- absolute threshold. Difference threshold Weber's law, Fechner's law, signal detection theory, subliminal perception. Methods- method of limit, method of adjustment, method of constant stimuli. Gestalt principles- gestalt laws of perceptual organization, gestalt approach to figure ground segregation, Depth perception monocular cues – relative size, linear perspective, texture gradient, atmospheric perspective, interposition, motion parallax- binocular cues- convergence, retinal disparity. Visual illusions mullerlyer, ponzo illusion, ames room, the moon illusions and the Hermann grid. Extra sensory perception.

Unit III:Thought

Thinking: basic elements of thought-concepts, proposition, images. Types of concepts, functions of concepts. Thinking and creativity- stages. Problem solving- stages, methods: trial and error, algorithm, mean end analysis, analogy. Meta cognitive processing. Reasoning inductive and deductive reasoning. Decision making- judgment and heuristics-availability, representativeness, anchoring and adjustment. Sources of error- role of mood states, beliefs, confirmation bias, hindsight, functional fixedness, mental set.

Unit IV:Language

Language: definition, Components of language development- phonological, semantic, syntax. Theories of language development- social learning, Chomsky, cognitive theory. Language and thought- how language connects to thought-Whorfian hypothesis.

Unit V: Consciousness

Definition, Continuum of consciousness, circadian rhythm, sleep- stages, dreams- theories, Altered states of consciousness- hypnosis, meditation, drug induced.

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	07-02-2022 To 12-02-2022	1	Syllabus introduction
		2	Unit I: Attention: Introduction
		3	Attention- concept and definition
		4	Factors affecting attention: Internal
		5	Factors: External
		12-02-2022	Second Saturday
2	14-02-2022 To 19-02-2022	6	Span of attention
		7	Distraction of attention
		8	division of attention
			College Arts Fest
			College Arts Fest
		9	Selective attention
3	21-02-2022 To 26-02-2022	10	Shifting of attention
		11	Models of attention
		12	Filter theory
		13	Early selection theory
		14	Attenuation theory
		15	late selection theory
4	28-02-2022 To 05-03-2022	16	Multimode theory
		01-03-2022	Shivarathri
		17	Theories of attention comparison
		18	Schema theory.
		19	Capacity and mental \effort
		20	Revision
5	07-03-2022 To 12-03-2022	21	Revision
		22	Class test
		23	Unit II: Sensation and Perception
		24	Sensation and Psycho physics: definition, concepts
		25	Absolute threshold
		12-03-2022	Second Saturday
6	14-03-2022 To 19-03-2022	26	Difference threshold
		27	Weber's law
		28	Fechner's law
		29	Signal detection theory
		30	Subliminal perception.
		31	Methods- method of limit, method of adjustment, method of constant stimuli.
7	21-03-2022 To	32	Gestalt principles- gestalt laws of perceptual organization, gestalt approach to figure ground segregation

	26-03-2022	33	Depth perception monocular cues – relative size, linear perspective, texture gradient, atmospheric perspective, interposition, motion parallax- binocular cues- convergence, retinal disparity
		34	Visual illusions mullerlyer, ponzo illusion and ames room
		35	The moon illusions and the Hermann grid. Extra sensory perception.
		36	Revision
		37	Revision
8	28-03-2022 To 02-04-2022	38	Class test
		39	Unit III:Thought Thinking: basic elements of thought
		40	Concepts, proposition, images.
		41	Types of concepts
		42	Functions of concepts.
9	04-04-2022 To 09-04-2022	43	Thinking and creativity- stages.
		44	Problem solving- stages
		45	Problem solving- methods
		46	Meta cognitive processing
		47	Reasoning inductive and deductive reasoning
10	11-04-2022 To 16-04-2022	48	Decision making- judgment and heuristics
		49	Availability, representativeness, anchoring and adjustment
		50	Sources of error- role of mood states, beliefs,
		51	Confirmation bias and hindsight.
		13-04-2022	Easter Holidays
11	18-04-2022 To 23-04-2022	14-04-2022	Easter Holidays
		15-04-2022	Easter Holidays
		16-04-2022	Easter Holidays
		18-04-2022	Easter Holidays
		52	I Internal Examination
12	25-04-2022 To 30-04-2022	53	I Internal Examination
		54	I Internal Examination
		55	I Internal Examination
		56	I Internal Examination
		57	Functional fixedness and mental set
	25-04-2022 To 30-04-2022	58	REVISION
		59	REVISION
		60	Unit IV:Language: Introduction
		61	Language: definition, Components of language development
		62	Phonological, semantic, syntax.
		63	

13	02-05-2022 To 07-05-2022	02-05-2022	RAMZAN
		64	Theories of language development- social learning
		65	Chomsky Theory
		66	Cognitive theory
		67	Language and thought- how language connects to thought
		68	Whorfian hypothesis
14	09-05-2022 To 14-05-2022	69	Revision
		70	Revision
		71	Unit V: Consciousness : Introduction
		72	Definition and concept
		73	Continuum of consciousness
		14-05-2022	Second Saturday
15	16-05-2022 To 21-05-2022	74	Circadian rhythm
		75	Sleep- stages
		76	Sleep- stages
		77	Dream: Concept and brain functioning
		78	Dream: Theories
		79	Altered states of consciousness
16	23-05-2022 To 28-05-2022	80	II Internal Examination
		81	II Internal Examination
		82	II Internal Examination
		83	II Internal Examination
		84	II Internal Examination
		85	II Internal Examination
17	30-05-2022 To 04-06-2022	86	Hypnosis
		87	Meditation induced conscious alteration
		88	Drug induced conscious alteration
		89	REVISION
		90	REVISION

Subject Code:	2B04 PSY
Subject Name:	Self-Development Practices (Practical 2)
No. of Credits:	2
No. of Contact Hours:	18
Hours per Week:	1
Name of the Teacher:	SR.LEEMA JACOB

SYLLABUS

Unit I: Listening skills

Differentiate listening and hearing in psychology profession. Characteristics of a dynamic listener. The process of active listening, receiving, attending, interpreting, responding; Steps in active listening; barriers to effective listening, tips for effective listening; Recognizing and overcoming listening obstacles. Critical listening.

Activity: Instruct the students to actively listen to the audio played narrating a story or situation. Evaluate their level of listening capacity ability of the student.

Unit II: Interviewing skill

Foundation of successful interviews. Appropriateness of various types of interviews. Managing interviews, obstacles in psychological interviews. Accurate interpretation of interviews. Goals and roles of psychological interviews in various settings.

Activity: Select a topic of interest under the supervision of the faculty and conduct the interview. Evaluation of the verbatim should be made assessing the interview skill of the students

Unit III: Simple Relaxation techniques

Meditation, pranayama, mindfulness relaxation, visualization.

Activity: Practice the simple relaxation exercises under the supervision and prepare introspection report. Evaluation of the practice will be done based on the introspective report.

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	07-02-2022 To 12-02-2022	1	Unit I :Listening skills Differentiate listening and hearing in psychology profession. Characteristics of a dynamic listener. The process of active listening, receiving, attending, interpreting, responding; Steps in active listening; barriers to effective listening, tips for effective listening; Recognizing and overcoming listening obstacles. Critical listening.
		12-02-2022	Second Saturday
2	14-02-2022 To 19-02-2022	2	Activity: Instruct the students to actively listen to the audio played narrating a story or situation. Evaluate their level of listening capacity ability of the student.
			College Arts Fest
			College Arts Fest
3	21-02-2022 To 26-02-2022	3	Activity: Instruct the students to actively listen to the audio played narrating a story or situation. Evaluate their level of listening capacity ability of the student.
		01-03-2022	Shivarathri
		4	Checking introspection report
		12-03-2022	Second Saturday
6	14-03-2022 To 19-03-2022	5	Record writing
7	21-03-2022 To 26-03-2022	6	Unit II: Interviewing skill Foundation of successful interviews. Appropriateness of various types of interviews. Managing interviews, obstacles in psychological interviews. Accurate interpretation of interviews. Goals and roles of psychological interviews in various settings.
8	28-03-2022 To 02-04-2022	7	Activity: Select a topic of interest under the supervision of the faculty and conduct the interview. Evaluation of the verbatim should be made assessing the interview skill of the students
9	04-04-2022 To 09-04-2022	8	Activity: Select a topic of interest under the supervision of the faculty and conduct the interview. Evaluation of the verbatim should be made assessing the interview skill of the students
10	11-04-2022	9	Activity presentation

	To 16-04-2022	13-04-2022	Easter Holidays
		14-04-2022	Easter Holidays
		15-04-2022	Easter Holidays
		16-04-2022	Easter Holidays
11	18-04-2022 To 23-04-2022	18-04-2022	Easter Holidays
			I Internal Examination
			I Internal Examination
			I Internal Examination
			I Internal Examination
12	25-04-2022 To 30-04-2022	10	Checking introspection report
13	02-05-2022 To 07-05-2022	02-05-2022	RAMZAN
		11	Record Writing
		12	Unit III: Simple Relaxation techniques Meditation, pranayama, mindfulness relaxation, visualization.
15	16-05-2022 To 21-05-2022	13	Activity: Practice the simple relaxation exercises under the supervision and prepare introspection report. Evaluation of the practice will be done based on the introspective report
16	23-05-2022 To 28-05-2022		II Internal Examination
			II Internal Examination
			II Internal Examination
			II Internal Examination
			II Internal Examination
17	30-05-2022 To 04-06-2022	14	Activity: Practice the simple relaxation exercises under the supervision and prepare introspection report. Evaluation of the practice will be done based on the introspective report
		15	Activity presentation
		16	Checking of introspection report
		17	Record writing
		18	Model exam

Subject Code:	2C 02 PSY
Subject Name:	PHYSIOLOGICAL PSYCHOLOGY
No. of Credits:	3
No. of Contact Hours:	72
Hours per Week:	4
Name of the Teacher:	ALBIN JOSEPH

SYLLABUS

Unit I : Evolutionary & Genetic Perspectives of Behavior

Physiological psychology in brief, Evolution of behaviour – Darwin’s evolutionary theory, common misconcepts about evolution. Mendalian genetics – Gene, genotype & phenotype, dominant & recessive gene, chromosomes & crossing over, structure of chromosomes, autosomes and sex – linked gene, mutation, gene and behaviour.

Unit II : Chromosomal Anomalies & Disorders

Autosomal anomalies - Down syndrome, Edward syndrome, Cri du chat syndrome. Sex chromosomal anomalies - Klinefilters and Turners syndrome.

Unit III: Visual System

Stimulus for vision – physical & psychological dimension, structure of eye, receptors in the retina, structure and processing on the retina, receptive field, colour perception, theories of colour perception, coding of colour, colour blindness, disorders of visual system, visual attention.

Unit IV: Auditory & Vestibular System

Auditory system: – nature of auditory stimuli- physical & psychological dimension, anatomy & function of auditory system, pitch perception, disorders of audiory system. Vestibular system: – anatomy and function, disorders of vestibular system.

Unit 5: Somato-Sensory, Olfactory & Gustatory System

Olfactory system: – nature of odour, anatomy and function of olfactory system, disorders of olfactory system, accessory olfactory system, vemoronasal sensation & pheromones. Somatosensory system - somatosensory receptors, neural coding for touch; pressure; temperature, kinesthetic – coding position & movement. Pain stimuli, gate theory of pain, ways to reliving pain, sensitization of pain, disorders of somatosensory system.

Gustatory system: – nature of taste stimuli, taste receptor – mechanism of taste receptor, taste coding in the brain, individual differences, disorders of taste system.

Prescribed Textbook

1. Levinthal, C. F. (1990). Introduction to physiological psychology (3rd ed.).USA: Pearson education, Inc.
2. Wagner, H., Silber, K. (2004). Physiological psychology. New York: BIOS Scientific publishers.
3. Wilson, J .F. (2003). Biological foundation of human behaviour. U S A : Wadsworth Thomson learning, Inc
4. Plomin, R., DeFries, J.C., McClearn, G.E., McGuffin, P. (2001). Bhaviouralgenetics (4th ed). New York: Worth publishers

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	07-02-2022 To 12-02-2022	1	Course introduction
		2	UNIT-1 Physiological psychology in brief, Evolution of behaviour.
		3	Darwin's evolutionary theory, common misconcepts about evolution.
		4	Mendalian genetics
		12-02-2022	Second Saturday
2	14-02-2022 To 19-02-2022	5	Gene, genotype & phenotype
		6	Dominant & recessive gene, chromosomes & crossing over
		7	structure of chromosomes
			College Arts Fest
			College Arts Fest
		8	Autosomes and sex – linked gene, mutation
3	21-02-2022 To 26-02-2022	9	Gene and behaviour
		10	UNIT-2- Autosomal anomalies - Down syndrome
		11	Edward syndrome, Cri du chat syndrome
		12	Sex chromosomal anomalies - Klinefilters and Turners syndrome
4	28-02-2022 To	13	Revision
		01-03-2022	Shivarathri
		14	Revision

	05-03-2022	15	CLASS TEST
5	07-03-2022 To 12-03-2022	16	UNIT-3 Stimulus for vision – physical & psychological dimension
		17	structure of eye, receptors in the retina,
		18	structure and processing on the retina
		12-03-2022	Second Saturday
6	14-03-2022 To 19-03-2022	19	receptive field, colour perception
		20	theories of colour perception
		21	coding of colour
		22	colour blindness, disorders of visual system
7	21-03-2022 To 26-03-2022	23	Visual attention.
		24	Revision
		25	Revision
		26	CLASS TEST
8	28-03-2022 To 02-04-2022	27	UNIT-4 Auditory system: – nature of auditory stimuli
		28	Physical & psychological dimension
		29	Anatomy & function of auditory system
		30	Pitch perception, disorders of auditory system
9	04-04-2022 To 09-04-2022	31	Vestibular system: – anatomy and function
		32	Disorders of vestibular system
		33	REVISION
		34	REVISION
10	11-04-2022 To 16-04-2022	35	REVISION
		36	CLASS TEST
		13-04-2022	Easter Holidays
		14-04-2022	Easter Holidays
		15-04-2022	Easter Holidays
		16-04-2022	Easter Holidays
11	18-04-2022 To 23-04-2022	18-04-2022	Easter Holidays
		37	I Internal Examination
		38	I Internal Examination
		39	I Internal Examination
		40	I Internal Examination
		41	I Internal Examination
12	25-04-2022 To 30-04-2022	42	UNIT-5 ;Olfactory system
		43	Nature of odour, anatomy and function of olfactory system
		44	Disorders of olfactory system
		45	Accessory olfactory system
		46	Vemoronasal sensation & pheromones

13	02-05-2022 To 07-05-2022	02-05-2022	RAMZAN
		47	Somatosensory system
		48	Somatosensory receptors, neural coding
		49	Neural coding for touch;pressure; temperature, kinesthetic
		50	coding position & movement
14	09-05-2022 To 14-05-2022	51	Pain stimuli, gate theory of pain
		52	Ways to reliving pain
		53	sensitization of pain
		54	Disorders of somatosensory system
		14-05-2022	Second Saturday
15	16-05-2022 To 21-05-2022	55	Gustatory system: – nature of taste stimuli
		56	taste receptor – mechanism of taste receptor
		57	Taste coding in the brain.
		58	Individual differences, disorders of taste system
		59	REVISION
		60	CLASS TEST
16	23-05-2022 To 28-05-2022	61	II Internal Examination
		62	II Internal Examination
		63	II Internal Examination
		64	II Internal Examination
		65	II Internal Examination
		66	II Internal Examination
17	30-05-2022 To 04-06-2022	67	REVISION
		68	REVISION
		69	REVISION
		70	REVISION
		71	REVISION
		72	REVISION

Subject Code:	2C02 STA (G&P)
Subject Name:	STATISTICAL METHODS
No. of Credits:	3
No. of Contact Hours:	72
Hours per Week:	4
Name of the Teacher:	Varsha C

SYLLABUS

2C02 STA G&P: STATISTICAL METHODS

Unit I: Correlation analysis:

Concept of correlation, method of studying correlation, scatter diagram, Karl Pearson correlation coefficient, Spearman rank correlation coefficient (with and without ties). (22 Hrs)

Unit II: Regression analysis:

Fitting of curves of the form linear, linear regression, regression equations (concept only), relation between correlation and regression coefficients. (20 Hrs)

Unit III: Index numbers and Time Series:

Meaning and use of index numbers, simple and weighted index numbers, Laspeyer's, Paache's and Fisher's index numbers, Test for good index number, cost of living index number. Definition and use of time series, Components of time series, measurement of secular trend semi average, moving average and least square method (linear function only). (20 Hrs)

Unit IV: Vital Statistics :

Sources of vital statistics, rates and ratios, various measures of mortality and fertility-CDR, SDR, infant mortality rate, CBR, SBR, TFR, GRR, NRR age specific birth rate. (10 Hrs)

Books for Study:

1. S.P Gupta: *Statistical Methods, Sultan Chand and Sons.*
2. S.C Gupta and V.K. Kapoor: *Fundamentals of Applied Statistics, Sultan Chand and Sons.*

Books for Reference:

1. Rogger Till: *Statistical methods for the earth scientists- An Introduction: Mc Millan.*
2. John Silk: *Statistical concepts in Geography, George Allan and Unwin.*
3. Prem S Mann: *Introductory Statistics 5th Edition, Wiley.*

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	07-02-2022 To 12-02-2022	1	Concept of correlation
		2	Types of Correlation
		3	Method of studying correlation
		4	Scatter diagram
		5	Karl Pearson correlation coefficient
		12-02-2022	Second Saturday
2	14-02-2022 To 19-02-2022	6	Problem solving
		7	Properties of correlation coefficient
		8	Properties of correlation coefficient
			College Arts Fest
			College Arts Fest
		9	Spearman rank correlation coefficient
		10	Rank correlation coefficient with tied rank
		11	Merits and Demerits of correlation coefficient
		12	Revision
		13	Class test Module 1
4	28-02-2022 To 05-03-2022	14	Regression analysis
		01-03-2022	Shivarathri
		15	Uses of regression analysis
		16	Fitting of curves of the form linear
		17	Problem solving
5	07-03-2022 To 12-03-2022	18	Regression lines
		19	Linear regression
		20	Regression equations X on Y
		21	Regression equations Y on X
		22	Problem solving
		12-03-2022	Second Saturday
6	14-03-2022 To 19-03-2022	23	Problem solving
		24	Relation between correlation and regression coefficients
		25	Some Properties of regression coefficients
		26	Identification of regression lines and determination of correlation coefficient
7	21-03-2022 To 26-03-2022	27	Difference between regression analysis and correlation coefficient
		28	Revision
		29	Class test Module II
		30	Meaning and use of index numbers
8	28-03-2022	31	Types of Index numbers
		32	Problems in the construction of index numbers

	To 02-04-2022	33	Method of construction of Index numbers
		34	Simple index numbers
9	04-04-2022 To 09-04-2022	35	Laspeyer's, Paache's and Fisher's index numbers,
		36	Problem solving
		37	Weighted average of relative
		38	Problem solving
10	11-04-2022 To 16-04-2022	39	Problem solving
		40	Cost of living index number.
		13-04-2022	Easter Holidays
		14-04-2022	Easter Holidays
		15-04-2022	Easter Holidays
		16-04-2022	Easter Holidays
11	18-04-2022 To 23-04-2022	18-04-2022	Easter Holidays
		41	I Internal Examination
		42	I Internal Examination
		43	I Internal Examination
		44	I Internal Examination
		45	I Internal Examination
12	25-04-2022 To 30-04-2022	46	Problem solving
		47	Limitation of Index numbers
		48	Definition and use of time series
		49	Components of time series
13	02-05-2022 To 07-05-2022	02-05-2022	RAMZAN
		50	Measurement of secular trend semi average
		51	Method of moving average
		52	Least square method
		53	Revision
14	09-05-2022 To 14-05-2022	54	Class test Module III
		55	Sources of vital statistics, rates and ratios
		56	Various measures of mortality and fertility
		57	Crude Death Rate, Specific Death Rate
		14-05-2022	Second Saturday
15	16-05-2022 To 21-05-2022	58	Infant mortality rate, Crude Birth Rate, Specific Birth Rate
		59	Total Fertility Rate, Gross Reproduction Rate
		60	Net Remarriage Rate
		61	Revision
16	23-05-2022 To 28-05-2022	62	II Internal Examination
		63	II Internal Examination
		64	II Internal Examination
		65	II Internal Examination
		66	II Internal Examination
		67	II Internal Examination

17	30-05-2022 To 04-06-2022	68	Class Test module 4
		69	Revision
		70	Revision
		71	Previous question paper discussion
		72	Previous question paper discussion

Subject Code:	2A08 HIN
Subject Name:	RACHANA THATHA PRAYOG
No. of Credits:	4
No. of Contact Hours:	72
Hours per Week:	4
Name of the Teacher:	JAINY N GEORGE

Semester	Course Code	Hours per week	Credit	Exam hours
2	2A08 HIN	4	4	3

Unit 1:

संज्ञा - संज्ञा के भेद - सर्वनाम - सर्वनाम के भेद - विशेषण - विशेषण के भेद - क्रिया - क्रिया के भेद - प्रेरणार्थक क्रिया - संयुक्त क्रिया - सहायक क्रियाएं (सक, चुक, लग, चाहिए, पड़) - लिंग - लिंग की पहचान और लिंग के नियम - वचन - भेद - नियम - कारक - भेद - सर्वनाम की कारकीय रूपरचना - क्रिया विशेषण - भेद - संबंध बोधक - समुच्चयबोधक - विस्मयादिबोधक।

Unit2:

पत्र लेखन - पारिवारिक पत्र - आवेदन पत्र - शिकायती पत्र - अनुवाद -अंग्रेजी से हिंदी में।

Unit3:

संक्षेपण के अभ्यास - संकेत बिंदुओं के आधार पर कहानी लेखन।

Unit4:

1. यात्रा जिसे मैं भुला नहीं पाता
- 2.समय का महत्व
3. इंटरनेट की दुनिया
- 4.प्रदूषण की समस्या
- 5.भ्रष्टाचार: एक समस्या
- 6.सांप्रदायिकता :एक अभिशाप
- 7.आरक्षण :कितना उचित या कितना अनुचित
- 8.भारत में आतंकवाद
- 9.विद्यार्थी और अनुशासन
- 10.खेल और व्यायाम।

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	07-02-2022 To 12-02-2022	1	वर्ण,वर्णमाला
		2	संज्ञा
		3	संज्ञा
		4	संज्ञा
		12-02-2022	Second Saturday
2	14-02-2022 To 19-02-2022	5	सर्वनाम
		6	सर्वनाम
		7	सर्वनाम
			College Arts Fest
			College Arts Fest
3	21-02-2022 To 26-02-2022	8	विशेषण
		9	विशेषण
		10	विशेषण
		11	लिंग
4	28-02-2022 To 05-03-2022	12	लिंग
		01-03-2022	Shivarathri
		13	वचन
		14	वचन
		15	वचन
5	07-03-2022 To 12-03-2022	16	क्रिया
		17	क्रिया विशेषण
		18	प्रेरणार्थक क्रिया
		19	संयुक्त क्रिया
		12-03-2022	Second Saturday
6	14-03-2022 To 19-03-2022	20	सहायक क्रिया
		21	लग
		22	चूक
		23	पड़
7	21-03-2022 To 26-03-2022	24	चाहिए
		25	कारक
		26	कारक
		27	कारक
8	28-03-2022	28	कारक

	To 02-04-2022	29	कारक
		30	कारक
		31	कारक
9	04-04-2022 To 09-04-2022	32	कारक
		33	संबंध बोधक
		34	संबंधबोधक
		35	संबंध बोधक
		36	समुच्चय बोधक
10	11-04-2022 To 16-04-2022	37	विस्मयादी बोधक
		38	कक्षा परीक्षा
		13-04-2022	Easter Holidays
		14-04-2022	Easter Holidays
		15-04-2022	Easter Holidays
		16-04-2022	Easter Holidays
11	18-04-2022 To 23-04-2022	18-04-2022	Easter Holidays
		39	I Internal Examination
		40	I Internal Examination
		41	I Internal Examination
		42	I Internal Examination
12	25-04-2022 To 30-04-2022	43	I Internal Examination
		44	पत्रलेखन
		45	पारिवारिक पत्र
		46	पारिवारिक पत्र
		47	आवेदन पत्र
13	02-05-2022 To 07-05-2022	48	शिकायती पत्र
		02-05-2022	RAMZAN
		49	अनुवाद
		50	अनुवाद
14	09-05-2022 To 14-05-2022	51	अनुवाद
		52	अनुवाद
		53	कक्षा परीक्षा
		54	संक्षेपण
		55	कहानी लेखन
		56	कहानी लेखन
15	16-05-2022 To	14-05-2022	Second Saturday
		57	कहानी लेखन
		58	कहानी लेखन

	21-05-2022	59	भेंट वार्ता
		60	भेंटवार्ता
		61	निबंध
		62	निबंध
16	23-05-2022 To 28-05-2022	63	II Internal examination
		64	II Internal examination
		65	II Internal examination
		66	II Internal examination
		67	II Internal examination
		68	II Internal examination
17	30-05-2022 To 04-06-2022	69	निबंध
		70	निबंध
		71	निबंध
		72	Revision

Subject Code:	2A08 HIN
Subject Name:	കവിത മാതൃകകൾ
No. of Credits:	4
No. of Contact Hours:	72
Hours per Week:	4
Name of the Teacher:	RAJISHA C K

COMMON COURSE II

കവിതാ മാതൃകകൾ
(പഠന മണിക്കൂർ 72)

SEMESTER	COURSE CODE	HOURS PER WEEK	CREDIT	EXAM HRS
II	2A08 MAL	4	4	3

യൂണിറ്റ് 1

1. ശുദ്ധപ്രണവാഗമനം എഴുത്തച്ഛൻ
2. ശരത് വർണ്ണനം - ചെറുശ്ശേരി

യൂണിറ്റ് 2

1. മാപ്പിളപ്പാട്ട് ബദരൻ മുന്നീർ ഹുസ്സുൽ ജമാൽ -മോയിൻകുട്ടി വൈദ്യർ
2. വേദവിഹാരം - മനുഷ്യ സൃഷ്ടി - കെ വി സൈമൺ
3. കരുണ - (ആദ്യ ഖണ്ഡം മാത്രം) കുമാരനാശാൻ

യൂണിറ്റ് 3

1. ഓണപ്പാട്ടുകാർ- വൈലോപ്പിള്ളി
2. കാലവർഷമേ നന്ദി പി കുഞ്ഞിരാമൻ നായർ
3. അട്ടപ്പാടിയെ സ്വപ്നം കണ്ടു ഞാനിന്നും- സുഗതകുമാരി
4. ഒരു കാലമുണ്ടായിരുന്നു -അയ്യപ്പപ്പണിക്കർ

യൂണിറ്റ് 4

1. മാൻമാർക്ക് കൂട -പി പി രാമചന്ദ്രൻ
2. കട ചൂടി മറഞ്ഞവൾ -എസ് ജോസഫ്

3. പുകയില്ലാത്ത അടുപ്പുകളുടെ ഉപമ -വിരാൻകുട്ടി
4. രാത്രിമരം -വി എം ഗിരിജ
5. പട്ടിജനം- രമ്യ സഞ്ജീവ്

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	07-02-2022 To 12-02-2022	1	ഭാഷാപഠനത്തിൽ ഒരാമുഖം
		2	കവിതാസാഹിത്യ ചരിത്രം
		3	എഴുത്തച്ഛനും മലയാളഭാഷയും
		4	രാമായണ കഥയിലെ ആരണ്യകാണ്ഡം
		12-02-2022	Second Saturday
2	14-02-2022 To 19-02-2022	5	ശ്രീപുണ്യവാഗമനം വ്യാഖ്യാനം
		6	ശ്രീപുണ്യവാഗമനം വ്യാഖ്യാനം
		7	ശ്രീപുണ്യവാഗമനം വ്യാഖ്യാനം
			College Arts Fest
			College Arts Fest
3	21-02-2022 To 26-02-2022	8	ശ്രീപുണ്യവാഗമനം വ്യാഖ്യാനം
		9	ശ്രീപുണ്യവാഗമനം വ്യാഖ്യാനം
		10	ക്ലാസ് പരീക്ഷ 1
		11	കൃഷ്ണഗാഥയും ചെറുശ്ശേരി യും
		12	ഭഗവതം സാമാന്യ പരിചയം
4	28-02-2022 To 05-03-2022	01-03-2022	Shivarathri
		13	ശ്രീകൃഷ്ണ കഥ
		14	ശരത് വർണ്ണനം വ്യാഖ്യാനം
		15	ശരത് വർണ്ണനം വ്യാഖ്യാനം
		16	ശരത് വർണ്ണനം വ്യാഖ്യാനം
5	07-03-2022 To 12-03-2022	17	ശരത് വർണ്ണനം വ്യാഖ്യാനം
		18	ക്ലാസ്സ് പരീക്ഷ 2
		19	മാപ്പിളപ്പാട്ട് സാമാന്യ പരിചയം
		12-03-2022	Second Saturday
		20	മോയിൻകുട്ടി വൈദ്യരെ പരിചയപ്പെടുത്തൽ
6	14-03-2022	21	ബദരൻ മുന്നീർ ഹുസ്സൻ ജമാൽ കഥ

	To 19-03-2022	22	പാഠഭാഗം വ്യാഖ്യാനം
		23	പാഠഭാഗം വ്യാഖ്യാനം
7	21-03-2022 To 26-03-2022	24	പാഠഭാഗം വ്യാഖ്യാനം
		25	പാഠഭാഗം വ്യാഖ്യാനം
		26	ക്ലാസ്സ് പരീക്ഷ 3
		27	വേദവിഹാരം
8	28-03-2022 To 02-04-2022	28	മനുഷ്യസൃഷ്ടി മായി ബന്ധപ്പെട്ട കഥകൾ
		29	മനുഷ്യസൃഷ്ടി വ്യാഖ്യാനം
		30	മനുഷ്യസൃഷ്ടി വ്യാഖ്യാനം
		31	ക്ലാസ്സ് പരീക്ഷ 4
9	04-04-2022 To 09-04-2022	32	കുമാരനാശാൻ
		33	വാസവദത്തയുടെയും ഉപഗൃഹ്ണയുടെയും കഥ
		34	കരുണ വ്യാഖ്യാനം
		35	കരുണ വ്യാഖ്യാനം
		36	കരുണ വ്യാഖ്യാനം
10	11-04-2022 To 16-04-2022	37	ക്ലാസ്സ് പരീക്ഷ 5
		38	കാല്പനിക കവിത
		13-04-2022	Easter Holidays
		14-04-2022	Easter Holidays
		15-04-2022	Easter Holidays
		16-04-2022	Easter Holidays
11	18-04-2022 To 23-04-2022	18-04-2022	Easter Holidays
		39	I Internal Examination
		40	I Internal Examination
		41	I Internal Examination
		42	I Internal Examination
		43	I Internal Examination
12	25-04-2022 To 30-04-2022	44	വൈലോപ്പിള്ളിയും മലയാള കവിതയും
		45	ഓണപ്പാട്ടുകാർ വ്യാഖ്യാനം
		46	ഓണപ്പാട്ടുകാർ വ്യാഖ്യാനം
		47	ഓണപ്പാട്ടുകാർ വ്യാഖ്യാനം
		48	ഓണപ്പാട്ടുകാർ വ്യാഖ്യാനം
13	02-05-2022 To	02-05-2022	RAMZAN
		49	ക്ലാസ്സ് പരീക്ഷ 6
		50	പി കഞ്ഞിരാമൻ നായരും മലയാള കവിതയും

	07-05-2022	51	കാലവർഷമേ നന്ദി വ്യാഖ്യാനം
14	09-05-2022 To 14-05-2022	52	കാലവർഷമേ നന്ദി വ്യാഖ്യാനം
		53	കാലവർഷമേ നന്ദി വ്യാഖ്യാനം
		54	കാലവർഷമേ നന്ദി വ്യാഖ്യാനം
		55	ക്ലാസ്സ് പരീക്ഷ 7
		56	സുഗതകുമാരിയും മലയാളകവിതയും
		14-05-2022	Second Saturday
15	16-05-2022 To 21-05-2022	57	പരിസ്ഥിതി കവിതകൾ
		58	അട്ടപ്പാടിയെ സ്വപ്നം കണ്ടു ഞാനിന്നും വ്യാഖ്യാനം
		59	അട്ടപ്പാടിയെ സ്വപ്നം കണ്ടു ഞാനിന്നും വ്യാഖ്യാനം
		60	ക്ലാസ്സ് പരീക്ഷ 8
		61	അയ്യപ്പപ്പണിക്കരും ആധുനികതയും
		62	ഒരു കാലമുണ്ടായിരുന്നു വ്യാഖ്യാനം
		63	II Internal examination
16	23-05-2022 To 28-05-2022	64	II Internal examination
		65	II Internal examination
		66	II Internal examination
		67	II Internal examination
		68	II Internal examination
		69	മാൻമാർക്ക് കൂട
17	30-05-2022 To 04-06-2022	70	കുട ചൂടി മറഞ്ഞവൾ
		71	പുകയില്ലാത്ത അടുപ്പുകളുടെ ഉപമ
		72	പട്ടി ജൻമം കവിത വിശകലനം