

**DON BOSCO ARTS & SCIENCE COLLEGE**  
**ANGADIKADAVU**

*(Affiliated to Kannur University Approved by Government of Kerala)*  
**ANGADIKADAVU P.O., IRITTY, KANNUR – 670706**



**COURSE PLAN**

**BSc PSYCHOLOGY**

**(2019 – 22)**

**SEMESTER - II**

**ACADEMIC YEAR - (2019-20)**

## II Semester BSc Psychology (2019 - 22)

SL. No.	Name of Subjects with Code	Name of the Teacher	Duty Hours per week
1.	2A03 ENG Readings on Life and Nature	Abhirami C.V.	5
2.	2A04 ENG Readings on Gender	Sr. Mercy Thomas	4
3.	2A08 MAL Kavitha Mathrukakal	Vineesh T.K.	4
4.	2A08 HIN Rachana Thatha Prayog	Rabina V.	
5.	2B03PSY Cognitive Process	Athira Alex	3
6.	2B04PSY Self Development Practices-Practical	Sr. Leema Jacob	1
7.	2C02STA Statistical Methods	Fathimathul Nithasha Beegam I.	4
8.	2 C 02 PSY Physiological Psychology	Sr. Leema Jacob	4
	<b>Name of Class Incharge</b>	Sr. Leema Jacob	

### TIME TABLE

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	2C02STA Statistical Methods	2A03 ENG Readings on Life and Nature	2B03PSY Cognitive Process	2A04 ENG Readings on Gender
2	2A04 ENG Readings on Gender	2A03 ENG Readings on Life and Nature	2C02STA Statistical Methods	2C02 PSY Physiological Psychology	2A08 MAL Kavitha Mathrukakal/ 2A08 HIN Rachana Thatha Prayog
3	2A03 ENG Readings on Life and Nature	2C02STA Statistical Methods	2A04 ENG Readings on Gender	2C02 PSY Physiological Psychology	2A08 MAL Kavitha Mathrukakal/ 2A08 HIN Rachana Thatha Prayog
4	2A03 ENG Readings on Life and Nature	2C02 PSY Physiological Psychology	2A08 MAL Kavitha Mathrukakal/ 2A08 HIN Rachana Thatha Prayog	2C02STA Statistical Methods	2B03PSY Cognitive Process
5	2C02 PSY Physiological Psychology	2B03PSY Cognitive Process	2C02 PSY Physiological Psychology	2A04 ENG Readings on Gender	2A03 ENG Readings on Life and Nature

<b>Subject Code:</b>	<b>2A03 ENG</b>
<b>Subject Name:</b>	<b>Readings on Life and Nature</b>
<b>No. of Credits:</b>	<b>4</b>
<b>No. of Contact Hours:</b>	<b>90</b>
<b>Hours per Week:</b>	<b>5</b>
<b>Name of the Teacher:</b>	<b>Abhirami C.V.</b>

**Objective: -**

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 students' native place.

**Module –I:**

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:**

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

**Module – III:**

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

**Assignment Topics**

1. Document the list of products we use in our daily life that could have originated from a forest ecosystem.
2. Identify the different fish that the local fishermen have caught. Find out from them if the fish catch has decreased, remained the same, or has increased during the last decade or two.

3. Prepare a report on a flood affected area with details on how it happened, the people's reactions, and the steps to be taken to prevent it in the future.
4. Highlight the environmental health hazards caused by e-waste.
5. Prepare a report on how globalization and liberalization affected coconut/rubber/cardamom farmers in Kerala. Make a field study for any one of the farming sector and document it.
6. Impact of globalization on the local economies.
7. Sustainable development is the only way forward.
8. Identify a river nearby and provide a historical profile of and the changes in its environmental status over the years by talking to the local people.
9. Are the natural resources overused due to the number of people that depend on it, or the greed of a few, or both?
10. List out the products you use in your daily life from a grassland ecosystem.
11. Document the environmental assets in your neighbourhood.
12. "Linking of Indian Rivers" – Your comment on it.
13. Corporate Hijack of Agriculture – Prepare a report.
14. Plastic Pollution in your surroundings.
15. Air pollution in your village/town/city.

### **People in Environment**

Ralph Emerson  
Henry Thoreau  
John Muir  
Edward Abbey  
Annie Dillard  
Leslie Marmon Silko  
Aldo Leopold  
Rachel Carson  
E O Wilson  
Salim Ali  
Madhav Gadgil  
M C Mehta  
Anil Agarwal  
Medha Patkar  
Sunderlal Bahuguna  
Kallen Pokkudan  
Sugathakumari  
Vandana Shiva  
Sunita Narain  
Greta Thunberg

### **Major environmental movements in India**

Chipko Movement  
Jungle Bachao Andholan  
Narmada Bachao Andholan  
Silent Valley Movement

### **Prescribed Textbook**

***Nature Matters: Readings on Life and Nature*, Board of Editors. MainSpring Publishers, 2019.**

### **Environmental Literature for Further Reference**

1. Pilgrim at Tender Creek – Annie Dillard, 1975.
2. Walden – Henry David Thoreau, 1854
3. Under the Sea Wind – Rachel Carson, 1941.
4. Silent Spring – Rachel Carson, 1962.
5. Small is Beautiful – E F Schumacher
6. Earth Policy Reader – Lester R Brown
7. Eco Economy – Lester R Brown
8. No Logo – Naomi Klein
9. Desert Solitaire – Edward Abbey, 1968
10. Biophilia – E O Wilson
11. The Biodiversity of India – Erach Barucha
12. Down to Earth – Centre for Science and Environment
13. Water in Crisis – H P Gleick
14. Global Biodiversity Assessment – Heywood & Waston, 1995
15. The Call of the Wild – Jack London, 1903
16. I am not a Plastic Bag – Rahel Hope, 2012
17. The Great Derangement – Amitav Ghosh
18. The End of Food – Paul Roberts, 2008
19. The End of Oil – Paul Roberts
20. The World Without Us – Alan Weisman, 2008
21. The One-Straw Revolution – Fukuoka, 2009
22. The End of Nature – Bill McKibben, 1989
23. The Good Earth – Pearl S Buck, 2005
24. Carbon – Daniel Boyd, 2014.
25. Peak – Roland Smith, 2007
26. The Tomorrow Code – Brian Falkner, 2008.
27. The Water Wars – Cameron Stracher, 2011
28. Fast Food Nation – Eric Schlosser, 2001
29. Last Child in the Woods – Richard Louv, 2005

### **Web Resources on Environment**

[www.earth-policy.org](http://www.earth-policy.org)  
[www.corecentre.co.in](http://www.corecentre.co.in) – fact sheet on air pollution  
[www.dialcomfort.com](http://www.dialcomfort.com) – online guide to air pollution  
[www.sciencemuseum.org.uk](http://www.sciencemuseum.org.uk)  
[www.tedtalk.com](http://www.tedtalk.com)

## TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
<b>1</b>	<b>18-11-2019 To 23-11-2019</b>	1	Introduction to the syllabus
		<b>19 Nov</b>	<b>Union Inauguration</b>
		2	Environmental Studies: Definition, Scope and Importance
		3	Environmental Studies: Definition, Scope and Importance
		4	Environmental Studies: Definition, Scope and Importance
		5	Group Discussion
		<b>23 Nov</b>	<b>Sports Day</b>
<b>2</b>	<b>25-11-2019 To 29-11-2019</b>		<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
<b>3</b>	<b>01-12-2019 To 05-12-2019</b>		<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
<b>4</b>	<b>09-12-2019 To 13-12-2019</b>	6	The Rightful inheritors of the Earth – Vaikom Muhammad Basheer
		7	The Rightful inheritors of the Earth – Vaikom Muhammad Basheer
		8	The Rightful inheritors of the Earth – Vaikom Muhammad Basheer
		9	Concept of an Ecosystem
		10	Concept of an Ecosystem
		11	Class Test
		<b>12 Dec</b>	<b>Arts Day</b>
		<b>13 Dec</b>	<b>Arts Day</b>
<b>5</b>	<b>16-12-2019</b>	12	The Fish – Elizabeth Bishop

No of Weeks	Dates	Session	Topic
	<b>To 20-12-2019</b>	13	The Fish – Elizabeth Bishop
		14	The Fish – Elizabeth Bishop
		15	Trophic Cascade – Camille T. Dungy
		16	Trophic Cascade – Camille T. Dungy
		<b>20 Dec</b>	<b>Christmas Celebration</b>
<b>6</b>	<b>23-12-2019 To 28-12-2019</b>		<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
<b>7</b>	<b>30-12-2019 To 03-01-2020</b>	17	Seminar
		18	Seminar
		19	Seminar
		20	Seminar
		21	Seminar
		<b>02 Jan</b>	<b>Mannam Jayanthi – Holiday</b>
		22	Biodiversity
<b>8</b>	<b>06-01-2020 To 10-01-2020</b>	23	Biodiversity
		24	Biodiversity
		25	Class Test
		26	Disaster Management: Floods, Earthquakes, Cyclones, Landslides
		27	Disaster Management: Floods, Earthquakes, Cyclones, Landslides
		28	Disaster Management: Floods, Earthquakes, Cyclones, Landslides
		29	Disaster Management: Floods, Earthquakes, Cyclones, Landslides
		30	Group Discussion
<b>9</b>	<b>13-01-2020 To 17-01-2020</b>	31	Real Estate – Sebastian
		32	Real Estate – Sebastian
		33	The Truth about the Floods – Nissim Ezekiel
		34	The Truth about the Floods – Nissim Ezekiel
		35	The Truth about the Floods – Nissim Ezekiel
		36	Matsyagandhi – M Sajitha
		37	Matsyagandhi – M Sajitha

No of Weeks	Dates	Session	Topic
		38	Matsyagandhi – M Sajitha
		39	Matsyagandhi – M Sajitha
10	20-01-2020 To 24-01-2020	20 Jan	First Internal II Semester UG
			First Internal II Semester UG
		22 Jan	First Internal II Semester UG
		40	Role of an Individual in Prevention of Pollution
		41	Role of an Individual in Prevention of Pollution
		42	Seminar
		43	Seminar
		44	Seminar
11	27-01-2020 To 31-01-2020	45	Seminar
		46	Environmental Values
		47	Environmental Values
		48	Environmental Values
		49	Class Test
		50	The End of Living – The Beginning of Survival: Chief of Seattle
		51	The End of Living – The Beginning of Survival: Chief of Seattle
12	03-02-2020 To 07-02-2020	52	The End of Living – The Beginning of Survival: Chief of Seattle
		53	The End of Living – The Beginning of Survival: Chief of Seattle
		54	Assignment
		55	Going Local – Helena Norberg-Hodge
		56	Going Local – Helena Norberg-Hodge
		57	Going Local – Helena Norberg-Hodge
13	10-02-2020 To 14-02-2020	58	Class Test
		59	Ralph Emerson Henry Thoreau John Muir
		60	People in Environment Ralph Emerson Henry Thoreau John Muir
		61	Edward Abbey Annie Dillard Leslie Marmon Silko
		62	Edward Abbey Annie Dillard Leslie Marmon Silko

No of Weeks	Dates	Session	Topic
		63	Aldo Leopald Rachel Carson E O Wilson
14	17-02-2020 To 22-02-2020	64	Aldo Leopald Rachel Carson E O Wilson
		65	Salim Ali Madhav Gadgil M C Mehta
		66	Salim Ali Madhav Gadgil M C Mehta
		21 Feb	Mahasivaratri – Holiday
		67	Group Discussion
15	24-02-2020 To 28-02-2020	24 Feb	College Day
		68	Anil Agarwal Medha Patkar Sunderlal Bahuguna
		69	Anil Agarwal Medha Patkar Sunderlal Bahuguna
		70	Kallen Pokkudan Sugathakumari Vandana Shiva
		71	Kallen Pokkudan Sugathakumari Vandana Shiva
		72	Sunita Narain Greta Thunberg
16	02-03-2020 To 07-03-2020	73	Sunita Narain Greta Thunberg
		74	Assignment
		75	Assignment
		76	Assignment
		77	Major environmental movements in India Chipko Movement
		78	Chipko Movement
17	09-03-2020 To 13-03-2020	79	Jungle Bachao Andholan
		80	Jungle Bachao Andholan
		81	Narmada Bachao Andholan
		82	Narmada Bachao Andholan
		83	Silent Valley Movement

No of Weeks	Dates	Session	Topic
		84	Silent Valley Movement
18	16-03-2020 To 20-03-2020	85	Question Paper Discussion
		86	Question Paper Discussion
		87	Question Paper Discussion
		88	Revision
		89	Revision
		90	Revision
19	23-03-2020 To 27-03-2020	23 Mar	Second Internal II Semester UG
			Second Internal II Semester UG
			Second Internal II Semester UG
			Second Internal II Semester UG
			Second Internal II Semester UG
			Second Internal II Semester UG
20	30-03-2020 To 03-04-2020		Study Leave
			Study Leave
			Study Leave
			Study Leave
			Study Leave
			Study Leave
21	06-04-2020	06 April	University Exam II Semester UG Begin

<b>Subject Code:</b>	<b>2A04 ENG</b>
<b>Subject Name:</b>	<b>Readings on Gender</b>
<b>No. of Credits:</b>	<b>3</b>
<b>No. of Contact Hours:</b>	<b>72</b>
<b>Hours per Week:</b>	<b>4</b>
<b>Name of the Teacher:</b>	<b>Sr. Mercy Thomas</b>

**Objective:**

To understand the basic gender issues faced by Kerala through articles, poems, stories, life writings and historical narratives.

**Module I:**

1. An Introduction - Kamala Das
2. Kitchen Rags - Vijila
3. Daskshayani Velayudhan - A Biographical Sketch – Meera Velayudhan
4. Learning to be a Mother - Shashi Deshpande
5. Is this Desirable? - Lalithambika Antharjanam

**Module II:**

1. Still I Rise - Maya Angelou
2. I Am Not That Woman - Kishwar Naheed
3. Structural Violence and the Trans Struggle for Dignity – Gee Imaan Semmalar
4. Gender Justice and the Media - Ammu Joseph
5. Clothing Matters: Visiting the Melmundusamaram in Keralam - Sheeba K M

**Prescribed Textbook; Plural perspectives:**

Readings on Gender by Rakhi Raghavan

## TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
<b>1</b>	<b>18-11-2019 To 23-11-2019</b>	1	An Introduction - Kamala Das
		<b>19 Nov</b>	<b>Union Inauguration</b>
		2	An Introduction - Kamala Das
		3	An Introduction - Kamala Das
		4	An Introduction - Kamala Das
		5	An Introduction - Kamala Das
		<b>23 Nov</b>	<b>Sports Day</b>
<b>2</b>	<b>25-11-2019 To 29-11-2019</b>		<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
<b>3</b>	<b>01-12-2019 To 05-12-2019</b>		<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
<b>4</b>	<b>09-12-2019 To 13-12-2019</b>	6	An Introduction - Kamala Das
		7	Assignment
		8	<b>Class Test</b>
		9	Kitchen Rags-
		10	Kitchen Rags
		11	Kitchen Rags
		<b>12 Dec</b>	<b>Arts Day</b>
		<b>13 Dec</b>	<b>Arts Day</b>
<b>5</b>	<b>16-12-2019 To</b>	12	Kitchen Rags
		13	Assignment
		14	Revision

No of Weeks	Dates	Session	Topic
	<b>20-12-2019</b>	15	<b>Class Test</b>
		<b>20 Dec</b>	<b>Christmas Celebration</b>
<b>6</b>	<b>23-12-2019 To 28-12-2019</b>		<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
<b>7</b>	<b>30-12-2019 To 03-01-2020</b>	16	Daskshayani Velayudhan - A Biographical Sketch
		17	Daskshayani Velayudhan - A Biographical Sketch
		18	Daskshayani Velayudhan - A Biographical Sketch
		19	Daskshayani Velayudhan - A Biographical Sketch
		<b>02 Jan</b>	<b>Mannam Jayanthi – Holiday</b>
		20	Daskshayani Velayudhan - A Biographical Sketch
<b>8</b>	<b>06-01-2020 To 10-01-2020</b>	21	Assignment
		22	<b>Class Test</b>
		23	Learning to be a Mother
		24	Learning to be a Mother
		25	Learning to be a Mother
		26	Learning to be a Mother
<b>9</b>	<b>13-01-2020 To 17-01-2020</b>	27	Assignment
		28	<b>Class Test</b>
		29	Is this Desirable?
		30	Is this Desirable?
		31	Is this Desirable?
		32	Is this Desirable?
<b>10</b>	<b>20-01-2020 To 24-01-2020</b>	<b>20 Jan</b>	<b>First Internal II Semester UG</b>
			<b>First Internal II Semester UG</b>
		<b>22 Jan</b>	<b>First Internal II Semester UG</b>
		33	Is this Desirable?
		34	Is this Desirable?
		35	Assignment
<b>11</b>	<b>27-01-2020 To 31-01-2020</b>	36	<b>Class Test</b>
		37	I Am Not That Woman
		38	I Am Not That Woman
		39	I Am Not That Woman
		40	I Am Not That Woman

No of Weeks	Dates	Session	Topic
12	03-02-2020 To 07-02-2020	41	I Am Not That Woman
		42	Assignment
		43	Seminar
		44	Class Test
		45	Structural Violence and the Trans Struggle for Dignity
13	10-02-2020 To 14-02-2020	46	Structural Violence and the Trans Struggle for Dignity
		47	Structural Violence and the Trans Struggle for Dignity
		48	Structural Violence and the Trans Struggle for Dignity
		49	Structural Violence and the Trans Struggle for Dignity
14	17-02-2020 To 22-02-2020	50	Seminar
		51	Class Test
		52	Gender Justice and the Media
		21 Feb	Gender Justice and the Media
		53	Mahasivaratri – Holiday
15	24-02-2020 To 28-02-2020	24 Feb	Gender Justice and the Media
		54	College Day
		55	Gender Justice and the Media
		56	Gender Justice and the Media
		57	Gender Justice and the Media
16	02-03-2020 To 07-03-2020	58	Assignment
		59	Seminar
		60	Class Test
		61	Clothing Matters: Visiting the Melmundusamaram in Keralam
		62	Clothing Matters: Visiting the Melmundusamaram in Keralam
17	09-03-2020 To 13-03-2020	63	Clothing Matters: Visiting the Melmundusamaram in Keralam
		64	Clothing Matters: Visiting the Melmundusamaram in Keralam
		65	Clothing Matters: Visiting the Melmundusamaram in Keralam
		66	Clothing Matters: Visiting the Melmundusamaram in Keralam
		67	Clothing Matters: Visiting the Melmundusamaram in Keralam
18	16-03-2020 To	68	Assignment
		69	Class Test
		70	Revision

No of Weeks	Dates	Session	Topic
	<b>20-03-2020</b>	71	Revision
		72	Revision
<b>19</b>	<b>23-03-2020 To 27-03-2020</b>	<b>23 Mar</b>	
			<b>Second Internal II Semester UG</b>
			<b>Second Internal II Semester UG</b>
			<b>Second Internal II Semester UG</b>
			<b>Second Internal II Semester UG</b>
			<b>Second Internal II Semester UG</b>
<b>20</b>	<b>30-03-2020 To 03-04-2020</b>		<b>Second Internal II Semester UG</b>
			<b>Study Leave</b>
			<b>Study Leave</b>
			<b>Study Leave</b>
			<b>Study Leave</b>
<b>21</b>	<b>06-04-2020</b>	<b>06 April</b>	<b>Study Leave</b>
			<b>University Exam II Semester UG Begin</b>

<b>Subject Code:</b>	<b>2B 03 PSY</b>
<b>Subject Name:</b>	<b>Cognitive Process</b>
<b>No. of Credits:</b>	<b>3</b>
<b>No. of Contact Hours:</b>	<b>54</b>
<b>Hours per Week:</b>	<b>3</b>
<b>Name of the Teacher:</b>	<b>Athira Alex</b>

### **Objective: -**

- 1: Define attention, sensation, perception, thought, language and consciousness
- 2: Understand models of attention and theories of language
- 3: Apply the principles of cognition for self-development
- 4: Differentiate between automatic processing and controlled processing
- 5: Analyze the laws of sensation and perception

### **Module –I:**

#### **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.

### **Module – II:**

#### **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 illusion: Mullerlyer, Ponzo illusion, Ames room, the moon illusions and the Hermann grid. Extra sensory perception.

### **Module – III:**

#### **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.

## **Module – IV:**

### **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.

## **Module – V:**

### **Unit V: Consciousness**

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

## **Prescribed Textbook**

1. Baron, R.A. (2013) Psychology. India: Dorling Kindersley.
2. Cicarelli, S.K., & Meyer. G. E. (2008). Psychology. New Delhi: Pearson Education
3. Weiten, B. (2011). Psychology: themes and variations. USA: Wardsworth.

## **Books for Reference**

1. Myers, 2010 Psychology (9th ed.). New York: Worth publishers.
2. Galotti, K.M. (1990). Cognitive psychology in and out of the laboratory (2nd ed). Bangalore: Wadsworth publishing company.
3. Goldstein, E.B. (2008) Sensation and Perception. India: Cengage learning
4. Kellogg, R.T. (2003). Cognitive psychology (2nd ed.). India: sage publications
5. Plotnik, R & Kouyoumdjian, H (2008). Introduction to Psychology (9th ed.). USA: Cengage learning
6. Riegler, B.R, & Riegler, G.R. (2012). Cognitive Psychology: Applying the science of the mind (2nd ed.). India: Dorling Kindersely.
7. Hunt, R & Ellis. Fundamentals of cognitive psychology (7th ed.). Tata McGraw hill

## TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
<b>1</b>	<b>18-11-2019 To 23-11-2019</b>	1	Attention- concept and definition
		<b>19 Nov</b>	<b>Union Inauguration</b>
		2	Factors affecting attention
		3	Span of attention, distraction of attention, division of attention, selective attention, shifting of attention.
		4	Models of attention, filter theory, attenuation theory, late selection theory, multimode theory
		<b>23 Nov</b>	<b>Sports Day</b>
<b>2</b>	<b>25-11-2019 To 29-11-2019</b>		<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
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			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
<b>3</b>	<b>01-12-2019 To 05-12-2019</b>		<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
<b>4</b>	<b>09-12-2019 To 13-12-2019</b>	5	Filter theory, attenuation theory, late selection theory, multimode theory
		6	Filter theory, attenuation theory, late selection theory, multimode theory
		7	Capacity and mental effort; schema theory.
		8	Class test
		<b>12 Dec</b>	<b>Arts Day</b>
		<b>13 Dec</b>	<b>Arts Day</b>
<b>5</b>	<b>16-12-2019 To</b>	9	Sensation and Psycho physics: definition, concepts absolute threshold.
		10	Difference threshold- Weber's law, Fechner's law, signal

No of Weeks	Dates	Session	Topic
	<b>20-12-2019</b>		detection theory, subliminal perception.
		11	Difference threshold- Weber's law, Fechner's law, signal detection theory, subliminal perception.
		<b>20 Dec</b>	<b>Christmas Celebration</b>
<b>6</b>	<b>23-12-2019 To 28-12-2019</b>		<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
<b>7</b>	<b>30-12-2019 To 03-01-2020</b>	12	Methods- method of limit, method of adjustment, method of constant stimuli.
		13	Gestalt principles- gestalt laws of perceptual organization
		<b>02 Jan</b>	<b>Mannam Jayanthi – Holiday</b>
		14	Gestalt principles- gestalt laws of perceptual organization
<b>8</b>	<b>06-01-2020 To 10-01-2020</b>	15	Gestalt approach to figure ground segregation
		16	Gestalt approach to figure ground segregation
		17	Depth perception monocular cues – relative size, linear perspective, texture gradient, atmospheric perspective, interposition, motion parallax
		18	Depth perception binocular cues- convergence, retinal disparity.
<b>9</b>	<b>13-01-2020 To 17-01-2020</b>	19	Visual illusion Mullerlyer, Ponzo illusion, Ames room, the moon illusions and the Hermann Grid
		20	Extra sensory perception.
		21	Extra sensory perception.
		22	Class test
<b>10</b>	<b>20-01-2020 To 24-01-2020</b>	<b>20 Jan</b>	<b>First Internal II Semester UG</b>
			<b>First Internal II Semester UG</b>
		<b>22 Jan</b>	<b>First Internal II Semester UG</b>
		23	Thinking: basic elements of thought-concepts, proposition, images. Types of concepts, functions of concepts.
<b>11</b>	<b>27-01-2020 To 31-01-2020</b>	24	Thinking and creativity- stages
		25	Problem solving- stages, methods: trial and error, algorithm, mean end analysis, analogy.
		26	Meta cognitive processing.
		27	Reasoning inductive and deductive reasoning
<b>12</b>	<b>03-02-2020</b>	28	Decision making

No of Weeks	Dates	Session	Topic
	<b>To 07-02-2020</b>	29	Judgment and heuristics-availability, representativeness, anchoring and adjustment
		30	Sources of error- role of mood states, beliefs, confirmation bias, hindsight, functional fixedness, mental set.
		31	Sources of error- role of mood states, beliefs, confirmation bias, hindsight, functional fixedness, mental set.
<b>13</b>	<b>10-02-2020 To 14-02-2020</b>	32	Class Test
		33	Language: definition and characteristics
		34	Components of language development- phonological, semantic, syntax.
		35	Theories of language development- social learning, Chomsky, cognitive theory
<b>14</b>	<b>17-02-2020 To 22-02-2020</b>	36	Language and thought- how language connects to thought- Whorfian hypothesis.
		37	Language and thought- how language connects to thought- Whorfian hypothesis.
		<b>21 Feb</b>	<b>Mahasivaratri – Holiday</b>
		38	Class Test
<b>15</b>	<b>24-02-2020 To 28-02-2020</b>	<b>24 Feb</b>	<b>College Day</b>
		39	Definition of consciousness Altered states of consciousness- hypnosis, meditation, drug induced.
		40	Continuum of consciousness, circadian rhythm
		41	Continuum of consciousness, circadian rhythm
		42	Sleep- stages
<b>16</b>	<b>02-03-2020 To 07-03-2020</b>	43	Sleep- stages
		44	Sleep- disorder
		45	Sleep- disorder
		46	Altered states of consciousness- hypnosis
<b>17</b>	<b>09-03-2020 To 13-03-2020</b>	47	Altered states of consciousness- hypnosis
		48	Dreams- theories
		49	Dreams- theories
		50	Meditation, drug induced State
<b>18</b>	<b>16-03-2020 To 20-03-2020</b>	51	Meditation, drug induced State
		52	Revision
		53	Revision
		54	Revision
<b>19</b>	<b>23-03-2020 To</b>	<b>23 Mar</b>	<b>Second Internal II Semester UG</b>
			<b>Second Internal II Semester UG</b>
			<b>Second Internal II Semester UG</b>

No of Weeks	Dates	Session	Topic
	<b>27-03-2020</b>		<b>Second Internal II Semester UG</b>
			<b>Second Internal II Semester UG</b>
			<b>Second Internal II Semester UG</b>
<b>20</b>	<b>30-03-2020 To 03-04-2020</b>		<b>Study Leave</b>
			<b>Study Leave</b>
			<b>Study Leave</b>
			<b>Study Leave</b>
			<b>Study Leave</b>
			<b>Study Leave</b>
<b>21</b>	<b>06-04-2020</b>	<b>06 April</b>	<b>University Exam II Semester UG Begin</b>

<b>Subject Code:</b>	<b>2B 04 PSY</b>
<b>Subject Name:</b>	<b>Self Development Practices-Practical</b>
<b>No. of Credits:</b>	<b>2</b>
<b>No. of Contact Hours:</b>	<b>18</b>
<b>Hours per Week:</b>	<b>1</b>
<b>Name of the Teacher:</b>	<b>Sr. Leema Jacob</b>

### **Objective: -**

1. Understand strategies for developing self
2. Identify the barriers for effective listening and interviewing skill
3. Apply theoretical knowledge to enhance listening skill, analytical skill and interviewing skill
4. Create a positive learning environment through eliminating stress by practicing relaxation exercises

### **Module –I:**

#### **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.

### **Module – II:**

#### **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

### **Module – III:**

#### **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

### **Prescribed Textbook**

1. Learmonth, L. (2016). An introduction to listening skills. USA: Lulu Press Inc
2. Evans, D. R., Hearn, M. T., Uhlemann, M. R., & Ivey, A. E. (2010). Essential
3. interviewing: A programmed approach to effective communication. USA: Cengage Learning
4. Baker, G. S. (2011). Fitly Spoken: Developing effective communication and social skills. Chandler, AZ: Brighton publishing LLC
5. Alidina, S. (2012). Relaxation for Dummies. England: John Wiley
6. Stephens, M. (2010). Teaching Yoga: Essential foundations and techniques. California: North Atlantic books

## TEACHING SCHEDULE

[illegible]

No of Weeks	Dates	Session	Topic
7	30-12-2019 To 03-01-2020	4	Receiving, attending, interpreting, responding.
		02 Jan	Mannam Jayanthi – Holiday
8	06-01-2020 To 10-01-2020	5	Steps in active listening; barriers to effective listening, tips for effective listening;
		6	Recognizing and overcoming listening obstacles. Critical listening.
9	13-01-2020 To 17-01-2020	7	<b>Interviewing skill</b> Foundation of successful interviews. Appropriateness of various types of interviews.
		8	Managing interviews, obstacles in psychological interviews.
10	20-01-2020 To 24-01-2020	20 Jan	First Internal II Semester UG
			First Internal II Semester UG
		22 Jan	First Internal II Semester UG
		9	Accurate interpretation of interviews.
11	27-01-2020 To 31-01-2020	10	Goals and roles of psychological interviews in various settings
		11	Meditation
12	03-02-2020 To 07-02-2020	12	Pranayama
13	10-02-2020 To 14-02-2020	13	Mindfulness relaxation
14	17-02-2020 To 22-02-2020	21 Feb	Mahasivaratri – Holiday
		14	Visualization.
15	24-02-2020 To 28-02-2020	24 Feb	College Day
		15	<b>Activity:</b> Practice the simple relaxation exercises under the supervision and prepare introspection report. Evaluation of the practice will be done based on the introspective report

No of Weeks	Dates	Session	Topic
16	02-03-2020 To 07-03-2020	16	<b>Activity:</b> 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
17	09-03-2020 To 13-03-2020	17	<b>Activity:</b> 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.
18	16-03-2020 To 20-03-2020	18	Revision
19	23-03-2020 To 27-03-2020	23 Mar	Second Internal II Semester UG
			Second Internal II Semester UG
			Second Internal II Semester UG
			Second Internal II Semester UG
			Second Internal II Semester UG
			Second Internal II Semester UG
20	30-03-2020 To 03-04-2020		Study Leave
			Study Leave
			Study Leave
			Study Leave
			Study Leave
			Study Leave
21	06-04-2020	06 April	University Exam II Semester UG Begin

<b>Subject Code:</b>	<b>2C02STA</b>
<b>Subject Name:</b>	<b>Statistical Methods</b>
<b>No. of Credits:</b>	<b>3</b>
<b>No. of Contact Hours:</b>	<b>72</b>
<b>Hours per Week:</b>	<b>4</b>
<b>Name of the Teacher:</b>	<b>Fathimathul Nithasha Beegam I.</b>

### **Objective: -**

Student should be able to

- 1:** analyse the relation between two real life data.
- 2:** compute various index numbers and understand their importance in real life.
- 3:** acquire knowledge in time series data.
- 4:** compute mortality, fertility and infant mortality rate.

### **Module – I:**

**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)**

### **Module – II:**

**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)**

### **Module – III:**

**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)**

### **Module – IV:**

**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)**

### **Prescribed Textbook**

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
<b>1</b>	<b>18-11-2019 To 23-11-2019</b>	1	Introduction
		<b>19 Nov</b>	<b>Union Inauguration</b>
		2	<b>Module 1 – Correlation Analysis</b>
		3	Concept of Correlation
		4	Concept of Correlation
		5	Types of Correlation with examples
		<b>23 Nov</b>	<b>Sports Day</b>
<b>2</b>	<b>25-11-2019 To 29-11-2019</b>		<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
<b>3</b>	<b>01-12-2019 To 05-12-2019</b>		<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
<b>4</b>	<b>09-12-2019 To 13-12-2019</b>	6	Types of Correlation with examples
		7	Types of Correlation with examples
		8	Method of studying correlation
		9	Method of studying correlation
		10	Sample Problem Analysis
		11	Sample Problem Analysis
		<b>12 Dec</b>	<b>Arts Day</b>
		<b>13 Dec</b>	<b>Arts Day</b>
<b>5</b>	<b>16-12-2019 To</b>	12	Karl Pearson correlation coefficient
		13	Problems and properties of correlation
		14	Concept of Rank correlation

No of Weeks	Dates	Session	Topic
	<b>20-12-2019</b>	15	Concept of Rank correlation
		<b>20 Dec</b>	<b>Christmas Celebration</b>
<b>6</b>	<b>23-12-2019 To 28-12-2019</b>		<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
			<b>Christmas – Holiday</b>
<b>7</b>	<b>30-12-2019 To 03-01-2020</b>	16	Spearman Rank correlation coefficient
		17	Problems of rank correlation
		18	Unit test of first module
		19	Important questions of first module discussion
		<b>02 Jan</b>	<b>Mannam Jayanthi – Holiday</b>
		20	Revision
<b>8</b>	<b>06-01-2020 To 10-01-2020</b>	21	<b>Exam</b>
		22	<b>II – Regression Analysis</b>
		23	Fitting of Forms of linear regression
		24	Principle of Least square method
		25	Derivation and solving Problems
		26	Derivation and solving Problems
<b>9</b>	<b>13-01-2020 To 17-01-2020</b>	27	Types of regression
		28	Theorems and relationships between Correlation and regression.
		29	Regression coefficients properties
		30	Revision
		31	Revision
		32	Unit test -II module
<b>10</b>	<b>20-01-2020 To 24-01-2020</b>	<b>20 Jan</b>	<b>First Internal II Semester UG</b>
			<b>First Internal II Semester UG</b>
		<b>22 Jan</b>	<b>First Internal II Semester UG</b>
		33	<b>III-Index numbers and Timeseries</b>
		34	<b>Meaning</b> and use of index numbers
		35	Simple and weighted index numbers
<b>11</b>	<b>27-01-2020 To 31-01-2020</b>	36	Simple and weighted index numbers
		37	Types of index numbers
		38	Laspyer's index number
		39	Problems of Laspyer 's index number

No of Weeks	Dates	Session	Topic
		40	Problems of Laspyer 's index number
12	03-02-2020 To 07-02-2020	41	Problems of Laspyer 's index number
		42	Fishers index numbers
		43	Test for good index number
		44	Cost of living index numbers
		45	Cost of living index numbers
13	10-02-2020 To 14-02-2020	46	Definition and use of Time series
		47	Concept and components of Time series
		48	Concept and components of Time series
		49	Measurements of secular trend
14	17-02-2020 To 22-02-2020	50	Problems of secular trend
		51	Problems of secular trend
		52	Moving average method and least sqaare method.
		21 Feb	Mahasivaratri – Holiday
		53	Moving average method and least sqaare method.
15	24-02-2020 To 28-02-2020	24 Feb	College Day
		54	Problems of Least square
		55	Problems of Least square
		56	Revision
		57	Unit test -III rd module
16	02-03-2020 To 07-03-2020	58	IV – Vital Statistics
		59	Sources of vital statistics
		60	Rates and ratios
		61	Rates and ratios
		62	Various measures of fertility
17	09-03-2020 To 13-03-2020	63	Problems of CBR,ASFR
		64	Problems of CBR,ASFR
		65	Various measures of mortality
		66	Problems of CDR,ASDR
		67	Problems of CDR,ASDR
18	16-03-2020 To 20-03-2020	68	GRR concept
		69	NRR concept
		70	Revision
		71	Unit Test _
		72	Revision
19	23-03-2020 To	23 Mar	Second Internal II Semester UG
			Second Internal II Semester UG
			Second Internal II Semester UG

No of Weeks	Dates	Session	Topic
	<b>27-03-2020</b>		<b>Second Internal II Semester UG</b>
			<b>Second Internal II Semester UG</b>
			<b>Second Internal II Semester UG</b>
<b>20</b>	<b>30-03-2020 To 03-04-2020</b>		<b>Study Leave</b>
			<b>Study Leave</b>
			<b>Study Leave</b>
			<b>Study Leave</b>
			<b>Study Leave</b>
			<b>Study Leave</b>
<b>21</b>	<b>06-04-2020</b>	<b>06 April</b>	<b>University Exam II Semester UG Begin</b>

<b>Subject Code:</b>	<b>2 C 02 PSY</b>
<b>Subject Name:</b>	<b>Physiological Psychology</b>
<b>No. of Credits:</b>	<b>3</b>
<b>No. of Contact Hours:</b>	<b>72</b>
<b>Hours per Week:</b>	<b>4</b>
<b>Name of the Teacher:</b>	<b>Sr. Leema Jacob</b>

**Objective: -**

- 1: Understand Chromosomal Anomalies & Disorders.
- 2: Analyze evolutionary and genetic perspectives of behavior
- 3: Describe sensory system and its functioning
- 4: Identify sensation in relation to perception.
- 5: Explain pain behaviour and common disorders related to sensory organs.

**Module –I:**

**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.

**Module – II:**

**Unit II : Chromosomal Anomalies & Disorders**

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

**Module – III:**

**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.

**Module – IV:**

**Unit IV: Auditory & Vestibular System**

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

## **Module – V:**

### **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, vomeronasal sensation & pheromones. Somatosensory system - somatosensory receptors, neural coding for touch; pressure; temperature, kinesthetic – coding position & movement. Pain stimuli, gate theory of pain, ways to relieving 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). Behavioural genetics (4th ed). New York: Worth publishers

## **Books for Reference**

1. Muhammed, J. (2005). Physiological psychology. New Delhi: APH Publishing corporation.
2. Pinel, J.P.J.(2007). Basics of psychology. USA: Pearson education, Inc

## TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
<b>1</b>	<b>18-11-2019 To 23-11-2019</b>	1	Course introduction
		<b>19 Nov</b>	<b>Union Inauguration</b>
		2	<b>Evolutionary &amp; Genetic Perspectives of Behavior</b> Physiological psychology in brief, Evolution of behaviour Darwin's evolutionary theory
		3	Common misconcepts about evolution
		4	Mendelian genetics
		5	Gene
		<b>23 Nov</b>	<b>Sports Day</b>
<b>2</b>	<b>25-11-2019 To 29-11-2019</b>		<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
<b>3</b>	<b>01-12-2019 To 05-12-2019</b>		<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
			<b>Semester Break</b>
<b>4</b>	<b>09-12-2019 To 13-12-2019</b>	6	Genotype & phenotype
		7	Dominant & recessive gene.
		8	Chromosomes & crossing over
		9	Structure of chromosomes
		10	Autosomes and sex – linked gene
		11	Mutation
		<b>12 Dec</b>	<b>Arts Day</b>
		<b>13 Dec</b>	<b>Arts Day</b>

No of Weeks	Dates	Session	Topic
5	16-12-2019 To 20-12-2019	12	Gene and behaviour
		13	Revision
		14	Class test
		15	Chromosomal Anomalies & Disorders
		20 Dec	Christmas Celebration
6	23-12-2019 To 28-12-2019		Christmas – Holiday
			Christmas – Holiday
			Christmas – Holiday
			Christmas – Holiday
			Christmas – Holiday
			Christmas – Holiday
			Christmas – Holiday
7	30-12-2019 To 03-01-2020	16	Autosomal anomalies
		17	Down syndrome
		18	Edward syndrome
		19	Cri du chat syndrome
		02 Jan	Mannam Jayanthi – Holiday
		20	Sex chromosomal anomalies
8	06-01-2020 To 10-01-2020	21	Klinefilters syndrome.
		22	Turners syndrome.
		23	Revision
		24	Class test
		25	Visual System
		26	Stimulus for vision
9	13-01-2020 To 17-01-2020	27	Physical & psychological dimension
		28	Structure of eye
		29	Receptors in the retina
		30	Structure and processing on the retina
		31	Receptive field
		32	Colour perception
10	20-01-2020 To 24-01-2020	20 Jan	First Internal II Semester UG
			First Internal II Semester UG
		22 Jan	First Internal II Semester UG
		33	Theories of colour perception
		34	Coding of colour
		35	Colour blindness

No of Weeks	Dates	Session	Topic
11	27-01-2020 To 31-01-2020	36	Disorders of visual system
		37	Visual attention
		38	Revision
		39	Class test
		40	Seminar presentation
12	03-02-2020 To 07-02-2020	41	
		42	Seminar presentation
		43	Seminar presentation
		44	<b>Auditory &amp; Vestibular System</b>
		45	Auditory system
13	10-02-2020 To 14-02-2020	46	Nature of auditory stimuli
		47	Physical & psychological dimension
		48	Anatomy & function of auditory system
		49	Pitch perception
14	17-02-2020 To 22-02-2020	50	Disorders of auditory system.
		51	Vestibular system
		52	Anatomy and function
		21 Feb	<b>Mahasivaratri – Holiday</b>
		53	Disorders of vestibular system
15	24-02-2020 To 28-02-2020	24 Feb	<b>College Day</b>
		54	<b>Somato-Sensory system</b>
		55	Olfactory & Gustatory System
		56	Olfactory system
		57	Nature of odour
16	02-03-2020 To 07-03-2020	58	Anatomy and function of olfactory system
		59	Disorders of olfactory system
		60	Accessory olfactory system
		61	Vemoronasal sensation
		62	Pheromones
17	09-03-2020 To 13-03-2020	63	Somato-sensory system
		64	
		65	Somatosensory receptors
		66	Neural coding for touch
		67	Pressure and temperature
18	16-03-2020	68	Kinesthetic – coding position & movement

No of Weeks	Dates	Session	Topic
	<b>To</b> <b>20-03-2020</b>	69	Pain stimuli, gate theory of pain, ways to reliving pain
		70	Sensitization of pain, disorders of somatosensory system.
		71	Gustatory system: – nature of taste stimuli, taste receptor – mechanism of taste receptor
		72	Taste coding in the brain, individual differences, disorders of taste system
<b>19</b>	<b>23-03-2020</b> <b>To</b> <b>27-03-2020</b>	<b>23 Mar</b>	<b>Second Internal II Semester UG</b>
			<b>Second Internal II Semester UG</b>
			<b>Second Internal II Semester UG</b>
			<b>Second Internal II Semester UG</b>
			<b>Second Internal II Semester UG</b>
			<b>Second Internal II Semester UG</b>
<b>20</b>	<b>30-03-2020</b> <b>To</b> <b>03-04-2020</b>		<b>Study Leave</b>
			<b>Study Leave</b>
			<b>Study Leave</b>
			<b>Study Leave</b>
			<b>Study Leave</b>
			<b>Study Leave</b>
<b>21</b>	<b>06-04-2020</b>	<b>06 April</b>	<b>University Exam II Semester UG Begin</b>