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Department of Education

Paper Name: Educational Psychology

Paper Code: EDUDSC202T

Semester: II (Major/DS-2)

Total Contact Hours: 70 (Theory)

Credit: 5

Full Marks: 100

Weekly load: 5L (Theory)

Pre-requisites: Basic understanding of human behaviour and interest in teaching-learning processes (no prior formal Psychology required).

Course Objective:

The course aims to introduce students to the field of Psychology and its relevance to Education. It helps students understand the nature and scope of Educational Psychology, its neuro-physiological bases, concepts of growth, development, intelligence, creativity and learning, enabling them to apply psychological principles in educational settings for effective teaching, learning, and learner development.

Course Outcome (CO) of Educational Psychology (EDUDSC202T)

At the end of the course students should be able to:

CO1: Define and explain the concept of Psychology, its relation with Education, nature and scope of Educational Psychology.

CO2: Analyze the neuro-physiological bases of human behaviour including structure & function of human brain & neuron, synaptic transmission, endocrinal glands, sensation and perception.

CO3: Explain the concepts of growth and development, their principles, types, stages (cognitive-Piaget, moral-Kohlberg, psycho-social-Erikson, personality-Freud) and significance in Education.

CO4: Describe intelligence & creativity, their theories (Guilford, Gardner, Sternberg), characteristics of creative persons and inter-relationship with education.

CO5: Define learning, identify factors influencing learning and compare various theories of learning (Pavlov, Skinner, Bandura, Vygotsky) and their classroom applications.

CO-PO Mapping:

CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO12
CO1	3	2	-	-	-	-	-	-	-	-	-	2
CO2	3	2	2	-	-	-	-	-	-	-	-	1
CO3	2	3	2	2	-	-	-	-	-	-	-	2
CO4	2	3	2	2	-	-	-	-	-	-	-	2
CO5	2	3	3	2	-	-	-	-	-	-	-	2
EDUDSC202T	2.4	2.6	1.8	1.2	-	-	-	-	-	-	-	1.8

(3 = Strong Correlation, 2 = Moderate Correlation, 1 = Weak Correlation, – = No Correlation)

Course Transaction Methods:

1. Lecture Method
2. Project based learning method
3. Demonstration
4. Role playing
5. Think-Pair-Share
6. ICT enable teaching
7. Video based teaching
8. Experiential learning technique
9. MOOCs
10. Discussion Method
11. Seminar/Tutorial/assignment
12. Brainstorming

Recommended Text Books for Educational Psychology (EDUDSC202T):

1. Bigge, M.L. – Psychological Foundations of Education (Harper and Row)
2. Bruner, J. – The Process of Education (Harvard University Press)
3. Chakraborty, P.K. – Siksha Monovigyaner Rooprekha (K Chakraborty Publication)
4. Chauhan, S.S. – Advanced Educational Psychology (Vikash Publishing House)
5. Choube, S.P. & Choube – Educational Psychology and Experiments (Himalay Publishing House)
6. Mangal, S.K. – Advance Educational Psychology (Prentice Hall of India)
7. Roy, S. – Shiksha Monovidya (Soma Book Agency)
8. Woolfolk, A.E. – Educational Psychology (Derling Kinderslay)
9. Sakar, B. – Siksha Manobidya (Aaaheli Publishers)

Lesson / Lecture Plan:

Unit – I: Introduction to Educational Psychology (20L)

Class	Content	Faculty approach	Student activity	Learning Outcome	Additional Study Materials
1	<p>Introduction to Psychology</p> <ul style="list-style-type: none"> ✓ Definition & meaning as scientific study of behaviour & mental processes ✓ Everyday examples from classroom & daily life ✓ Need for Psychology in Education 	Explains	Listens	Understanding	https://www.youtube.com/watch?v=vo4p2flz8w (Intro to Psychology)
2	<p>Historical evolution of Psychology</p> <ul style="list-style-type: none"> ✓ From philosophy to scientific discipline ✓ Major schools (Structuralism, Functionalism, Behaviourism, Gestalt, Psychoanalysis) 	Explains and Narrates with board work	Listens & notes	Understanding	NPTEL: https://www.youtube.com/watch?v=... (History of Psychology)
3	<p>Relation between Education & Psychology</p> <ul style="list-style-type: none"> ✓ Mutual dependence ✓ Contribution of Psychology to Education 	Explains with examples	Comprehends	Analyze	https://www.youtube.com/watch?v=... (Education & Psychology link)
4	<p>Nature of Educational Psychology</p> <ul style="list-style-type: none"> ✓ Meaning & characteristics (scientific, applied, positive, dynamic) 	Explains and Narrates with board work	Listens & writes	Understanding	YouTube: Nature of Educational Psychology

5	Scope of Educational Psychology – Part 1 ✓ Learner & learning process	Board work + Think-Pair-Share	Participates in pairs	Understand & Analyze	NPTEL videos
6	Scope of Educational Psychology – Part 2 ✓ Teacher, evaluation, guidance & counselling, individual differences	Explains with board work	Listens & notes	Understanding	https://www.youtube.com/watch?v=... (Scope of Ed. Psych)
7	Difference between General Psychology & Educational Psychology	Explains and Narrates	Comprehends	Analyze	YouTube comparison video
8	Neuro-physiological bases: Structure of human brain	Explains with diagram	Listens & draws	Understanding	https://www.youtube.com/watch?v=... (Brain structure animation)
9	Function of human brain in behaviour	Board work + Video demonstration	Observes & notes	Understand	YouTube: Brain functions
10	Neuron – Structure & function	Explains and Narrates with board work	Listens	Understanding	https://www.youtube.com/watch?v=... (Neuron structure)
11	Synaptic transmission	Board work + Video demonstration	Observes	Understanding	YouTube: Synaptic transmission
12	Endocrine glands – Introduction & role in behaviour	Explains with board work	Listens & writes	Understanding	https://www.youtube.com/watch?v=... (Endocrine system)

13	Specific endocrine glands & their effect on behaviour	Explains and Narrates	Comprehends	Analyze	YouTube: Hormones & behaviour
14	Concept of Sensation ✓ Definition, types & thresholds	Explains	Listens	Understanding	https://www.youtube.com/watch?v=... (Sensation vs Perception)
15	Factors affecting sensation	Board work + Discussion	Analyze	Apply	YouTube: Factors of sensation
16	Concept of Perception	Explains and Narrates	Comprehends	Understanding	YouTube: Perception illusions
17	Factors influencing perception	Explains with examples	Listens & notes	Analyze	https://www.youtube.com/watch?v=... (Perception factors)
18	Educational importance of sensation & perception	Board work + Discussion	Analyze	Apply	NPTEL video
19	Review of Unit I (Part 1) – Key concepts & linkages	Discussion	Participates	Understand	Previous year questions
20	Review of Unit I (Part 2) + University question discussion	Explains with formulation	Listen & write	Understanding	/ previous papers

EDUCATIONAL PSYCHOLOGY (EDUDSC202T)

Session Plan

A session plan helps structure a vast pool of information on a particular topic into smaller logical chunks. Such a structured session plan enables the facilitator to effectively accommodate the subject matter within a stipulated time. Moreover, such a plan also aids the facilitator to design adequate active learning methodologies and be equipped with required teaching materials well in advance.

Class: 1					
Topic: Introduction to Psychology – Definition & meaning (Unit – I)					
Time (Minute)	Content	Methodology	Faculty approach	Learner's activity	Learning Outcome
0-10	Brainstorming: What do students already know about “Psychology”? Everyday examples from school/college life	Brainstorming	Facilitates	Participates Comments Shares personal examples	BL: Understand Intelligence: Linguistic Interpersonal Intrapersonal
10-25	Concept of Psychology ✓ Scientific study of behaviour & mental processes ✓ Difference between layman view & scientific view	Lecture with board work + Think-Pair-Share	Explains and narrates with suitable board work	Participates in pairs Listens and notes key points	BL: Understand Intelligence: Linguistic Intrapersonal
25-40	Need & relevance of Psychology in Education ✓ How it helps teachers & learners	Role Play (teacher-student scenario) + Discussion	Participates as facilitator Guides the role play	Participates / Observers Comments and reflects	BL: Analyze Intelligence: Interpersonal Linguistic Intrapersonal

40-50	Historical glimpse & link to Unit I	Board Work / Screen work + short video clip	Facilitates Shows diagram / short video	Observes Notes down key points	BL: Understand Intelligence: Visual-Spatial Intrapersonal
50-55	Summary of the Session ✓ Key takeaways + link to next class	Discussion	Facilitates	Participates Asks doubts / shares one key learning	BL: Understand Intelligence: Interpersonal Linguistic Intrapersonal
55-60	Attendance + Quick feedback	—	Records attendance	Responds	—

Additional Study Materials : <https://www.youtube.com/watch?v=jVrv6gvNmy0>

Class: 2

Topic: Historical evolution of Psychology (Unit – I)

Time (Minute)	Content	Methodology	Faculty approach	Learner's activity	Learning Outcome
0-10	Recap of Class 1 of (definition of Psychology)	Brainstorming	Facilitates	Participates Comments	BL: Understand Intelligence: Linguistic Interpersonal
10-25	Historical evolution of Psychology ✓ From philosophy to scientific discipline	Lecture with board work	Explains and narrates with suitable board work	Listens and notes	BL: Understand Intelligence: Linguistic Intrapersonal
25-40	Major schools of Psychology (Structuralism, Functionalism, Behaviourism, Gestalt, Psychoanalysis)	Think-Pair-Share	Explains with examples	Participates in pairs	BL: Analyze Intelligence: Interpersonal Linguistic
40-50	Link of historical evolution with Educational Psychology	Video demonstration	Facilitates	Observes & notes	BL: Understand Intelligence: Visual-Spatial Intrapersonal
50-55	Summary + connection to next class	Discussion	Facilitates	Participates	BL: Understand Intelligence: Interpersonal Linguistic
55-60	Attendance + Quick feedback	—	Records attendance	Responds	—

Additional Study Materials : NPTEL: Introduction to Psychology (Lecture 1 – Major Areas) – [YouTube playlist link for full course](#)

Class: 3
Topic: Relation between Education & Psychology (Unit – I)

Time (in Minute)	Content	Methodology	Faculty approach	Learner's activity	Learning Outcome
0-10	Recap of historical evolution	Brainstorming	Facilitates	Participates	BL: Understand Intelligence: Linguistic Interpersonal
10-25	Mutual dependence between Education and Psychology	Lecture with board work	Explains and narrates	Listens and notes	BL: Understand Intelligence: Linguistic Intrapersonal
25-40	Contribution of Psychology to Education (examples)	Role Play	Participates as facilitator	Participates / Observers	BL: Analyze Intelligence: Interpersonal Linguistic
40-50	Real-life classroom examples	Video demonstration	Facilitates	Observes	BL: Apply Intelligence: Visual-Spatial
50-55	Summary	Discussion	Facilitates	Participates	BL: Understand Intelligence: Interpersonal
55-60	Attendance + Quick feedback	—	Records attendance	Responds	—

Additional Study Materials - https://www.youtube.com/watch?v=TZuVGnSTV_g

Class: 4**Topic: Nature of Educational Psychology (Unit – I)**

Time (in Minute)	Content	Methodology	Faculty approach	Learner's activity	Learning Outcome
0-10	Recap of relation between Education & Psychology	Think-Pair-Share	Facilitates	Participates in pairs	BL: Understand Intelligence: Linguistic Interpersonal
10-25	Nature of Educational Psychology ✓ Meaning & characteristics (scientific, applied, positive, dynamic)	Lecture with board work	Explains and narrates with suitable board work	Listens and notes	BL: Understand Intelligence: Linguistic Intrapersonal
25-40	Characteristics in detail with examples	Discussion	Guides discussion	Participates	BL: Analyze Intelligence: Interpersonal
40-50	Comparison chart on board	Board Work	Facilitates	Observes & notes	BL: Understand Intelligence: Visual-Spatial
50-55	Summary	Discussion	Facilitates	Participates	BL: Understand Intelligence: Interpersonal
55-60	Attendance + Quick feedback	—	Records attendance	Responds	—

Additional Study Materials - NPTEL: Psychology of Learning (Week 1) – [YouTube](#)

Class: 5**Topic: Scope of Educational Psychology – Part 1 (Unit – I)**

Time (in Minute)	Content	Methodology	Faculty approach	Learner's activity	Learning Outcome
0-10	Recap of nature of Educational Psychology	Brainstorming	Facilitates	Participates	BL: Understand Intelligence: Linguistic
10-25	Scope – Learner & learning process	Lecture with board work	Explains and narrates	Listens and notes	BL: Understand Intelligence: Linguistic
25-40	Practical examples of learner & learning	Think-Pair-Share	Explains with examples	Participates in pairs	BL: Analyze Intelligence: Interpersonal
40-50	Mind map of scope (learner part)	Board Work / Screen work	Facilitates	Observes	BL: Understand Intelligence: Visual-Spatial
50-55	Summary	Discussion	Facilitates	Participates	BL: Understand Intelligence: Interpersonal
55-60	Attendance + Quick feedback	—	Records attendance	Responds	—

Additional Study Materials - NPTEL: Introduction to Psychology (full course lectures)

Class: 6

Topic: Scope of Educational Psychology – Part 2 (Unit – I)

Time (in Minute)	Content	Methodology	Faculty approach	Learner's activity	Learning Outcome
0-10	Recap of Scope Part 1	Brainstorming	Facilitates	Participates	BL: Understand
10-25	Scope – Teacher, evaluation, guidance & counselling, individual differences	Lecture with board work	Explains and narrates	Listens and notes	BL: Understand
25-40	Practical applications in classroom	Role Play	Guides role play	Participates	BL: Apply
40-50	Complete mind map of full scope	Board Work	Facilitates	Observes	BL: Understand
50-55	Summary	Discussion	Facilitates	Participates	BL: Understand
55-60	Attendance + Quick feedback	—	Records attendance	Responds	—

Additional Study Materials - NPTEL: Introduction to Psychology (Lecture 1 – Major Areas) – [YouTube playlist link for full course](#)

Class: 7

Topic: Difference between General Psychology & Educational Psychology (Unit – I)

Time (in Minute)	Content	Methodology	Faculty approach	Learner's activity	Learning Outcome
0-10	Recap of scope of Educational Psychology	Think-Pair-Share	Facilitates	Participates in pairs	BL: Understand
10-25	Difference between General & Educational Psychology	Lecture with board work	Explains and narrates with comparison table	Listens and notes	BL: Analyze
25-40	Examples highlighting the difference	Discussion	Guides discussion	Participates	BL: Analyze
40-50	Video clip on application	Video demonstration	Facilitates	Observes	BL: Understand
50-55	Summary	Discussion	Facilitates	Participates	BL: Understand
55-60	Attendance + Quick feedback	—	Records attendance	Responds	—

Additional Study Materials -

<https://www.youtube.com/playlist?list=PLtvxUIJdr92BB-tNzjXednkzzxoUi61f4>

Class: 8

Topic: Neuro-physiological bases: Structure of human brain (Unit – I)

Time (in Minute)	Content	Methodology	Faculty approach	Learner's activity	Learning Outcome
0-10	Recap of difference between General & Educational Psychology	Brainstorming	Facilitates	Participates	BL: Understand
10-25	Structure of human brain (diagram)	Lecture with board work	Explains and narrates with diagram	Listens and draws	BL: Understand
25-40	Parts of brain & behaviour link	Video demonstration	Facilitates	Observes	BL: Understand
40-50	Educational relevance	Discussion	Guides	Participates	BL: Apply
50-55	Summary	Discussion	Facilitates	Participates	BL: Understand
55-60	Attendance + Quick feedback	—	Records attendance	Responds	—

Additional Study Materials - NPTEL: Introduction to Psychology (brain-related lectures)

Class: 9

Topic: Function of human brain in behaviour (Unit – I)

Time (in Minute)	Content	Methodology	Faculty approach	Learner's activity	Learning Outcome
0-10	Recap of brain structure	Brainstorming	Facilitates	Participates	BL: Understand
10-25	Functions of brain in behaviour	Lecture with board work	Explains and narrates	Listens and notes	BL: Understand
25-40	Real-life examples	Role Play	Guides	Participates	BL: Analyze
40-50	Video animation	Video demonstration	Facilitates	Observes	BL: Understand
50-55	Summary	Discussion	Facilitates	Participates	BL: Understand
55-60	Attendance + Quick feedback	—	Records attendance	Responds	—

Additional Study Materials - NPTEL: Introduction to Psychology (brain-related lectures)

Class: 10**Topic: Neuron – Structure & function (Unit – I)**

Time (in Minute)	Content	Methodology	Faculty approach	Learner's activity	Learning Outcome
0-10	Recap of brain function	Think-Pair-Share	Facilitates	Participates	BL: Understand
10-25	Neuron – Structure & function (diagram)	Lecture with board work	Explains and narrates with diagram	Listens and draws	BL: Understand
25-40	Role in behaviour	Discussion	Guides	Participates	BL: Analyze
40-50	Video on neuron	Video demonstration	Facilitates	Observes	BL: Understand
50-55	Summary	Discussion	Facilitates	Participates	BL: Understand
55-60	Attendance + Quick feedback	—	Records attendance	Responds	—

Additional Study Materials - NPTEL: Advanced Cognitive Processes (related neuron lectures)

