

Core II

Basic Psychological Processes

Introduction:

The course is designed to provide the student a basic understanding of the psychological processes from perception to memory. The student will be given exposure to the concepts, terminology, principles, relating to each of the mental processes that constitute human psychology.

Course Outcomes

- To help the students to understand the mental processes to begin with perceptions up to how it results in learning and memory.
- To help the students gather knowledge about the structural and functional dynamics of most of the mental processes and their interconnectedness.

Unit I: Perception

- Basics of sensation- Sensory receptors (eye and ear), Nature of perceptual process; Figure and ground perceptions, Gestalt laws
- Perceptual constancies, hallucinations and illusions, Perception of depth and distance

Learning Outcomes

- Understand the basic perceptual processes involved in creating and interpreting different events.

Unit II: Learning & Memory

- Nature and principles of Classical conditioning, Operant conditioning, and observational learning
- The Atkinson and Schiffrin Model of Memory; Types of Memory- episodic, semantic and procedural; Causes of Forgetting- interference, repression, and amnesia

Learning Outcomes

- Gain knowledge of the important processes and principles of human learning.
- Understand the structural functional attributes of human memory to help conserve the learning outcomes.

Unit III: Thinking and Reasoning

- Thinking process; concepts, categories and prototypes, Decision making and factors influencing decision making.
- Inductive and deductive reasoning; Problem solving approaches; Steps in problem solving

Learning Outcomes

- Illustrate the important aspects of thinking and reasoning process.

Unit IV: Practical

- Learning Curve: To demonstrate the Learning Curve as a function of learning trials using Non-sense Syllables.
- Serial Position Effect: To demonstrate the serial position effect on memory in learning a list of nonsense syllables.

Text Books:

- ✓ *Baron, R.A. (2002). Psychology (5th Edition), New Delhi, Pearson Education.*
- ✓ *Feldman, R.S. (2004). Understanding Psychology (6th Edition), New Delhi, Tata McGraw Hill.*
- ✓ *Dash, U.N., Dash, A.S., Mishra, H.C., Nanda, G.K. & Jena, N. (2004). Practical Exercises in Psychology: Learning about Yourself and Others. Panchasila, Bhubaneswar*

Reference Books:

- ✓ *Mohanty, N., Varadwaj, K. & Mishra, H.C. (2014). Explorations of Human Nature and Strength: Practicals in Psychology, Divya Prakashani, Samantarapur, Bhubaneswar.*
- ✓ *Mohsin, S.M. (2016). Experiments in Psychology, Motilal Banarsidas Publishing House.*
- ✓ *Ciccarelli, S.K. & White, J.N. (2018). Psychology. Pearson India.*
- ✓ *Morgan, C.T., King, R.A., Weisz, J.R., & Schopler, J. (2008). Introduction to psychology (7th edition) Bombay: Tata-McGraw Hill.*
- ✓ *Feldman, R.S. (2004). Understanding Psychology (6th Edition), New Delhi, Tata-McGraw Hill.*
- ✓ *Mohanty, G. B. Experiments and tests in Psychology. Kalyani publisher, New Delhi.*