

## DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES

### Programme: Ph. D

### Course Title: Cognitive Psychology

**Course Category: Pre-PhD Course Work**

**Course Code: HUT 718**

**Credits: 3 (L-3)**

**Semester: Odd/Even**

#### Course Objectives

To develop an in-depth understanding in the area of cognitive psychology with the ultimate aim of applying this knowledge to diverse areas which would enable the scholars to gain the requisite insight for finalization of the research proposal.

#### UNIT-I

Cognitive Psychology: Historical Background, Emergence, Approaches. Current Status: Computer model and Cognitive Neuroscience. Psychophysics. Cognition: Foundations, Methods and Paradigms of Cognition. Cognitive Development, Cognitive Dissonance and Cognitive Framework in self-attribution, Culture and Cognition, Neurocognition.

#### UNIT-II

Perception: Approaches, Deficits in perception. Attention and Consciousness. Selective Attention: Nature, Models, Automaticity and the Effects of Practice, Divided Attention. Pattern Recognition: Template Matching, Feature Analysis, Prototype Matching.

#### UNIT-III

Memory: Basic Neural Operations, Systems, Models, Autobiographical Memory, Flashbulb Memory, Eye-witness Testimony, Illusory Memory, Mnemonic Techniques. Explicit and Implicit Memory. Exceptional Memory. Memory Failure. Metacognition: Metamemory, TOT, Metacomprehension. Emotions and Memory.

#### UNIT-IV

Thinking: Process, Approaches, Role of Symbols, Images, Concept Attainment, Stages of Creative Thinking. Problem Solving: Strategies & Stages, Approaches, Blocks and Aids to problem solving. Reasoning: Types, Patterns and Approaches. Information Processing and Intelligence. Artificial Intelligence. Human Computer Interaction.

#### Course Outcomes

By completion of the course the students will be able to explore human cognition, focusing on both classic and current issues which would also help them to understand the both behavioral and neuropsychological approaches to data and theory.

#### Suggested Readings

1. Benjafield J G (2007). Cognition. Oxford University Press.
2. Eysenck, M. W. (2001). Principles of Cognitive Psychology (2<sup>nd</sup> Ed). Psychology Press
3. Das, J.P. (2003). The Working Mind. Delhi: Sage Publications.
4. Galotti, K.C. Cognitive psychology: Perception, attention and memory. New Delhi: Cengage.
5. Galotti, K.M. (2000) Cognitive Psychology in and out of the Laboratory. Delhi: Thomson
6. Goldstein, E.B. (2008) Cognitive psychology, (2<sup>nd</sup> Ed.). Belmont: Wadsworth
7. Kellogg, R.T. (2012). Fundamentals of Cognitive Psychology. Los Angeles: Sage.
8. Matlin, M.W. (2008) Cognition (7<sup>th</sup> Ed.). USA: John Wiley & Sons.
9. Schiffman, H. R. (2000) Sensation and perception: An integrated approach. New York: John Wiley.
10. Solso, R.L. (2001). Cognitive Psychology. Delhi: Pearson Education.
11. Sternberg, R. J. (2009) Applied cognitive psychology: Perceiving, learning, and remembering. New Delhi: Cengage.

12. Sternberg, R.J. (2007). Cognitive Psychology. Delhi: Thomson.