

**Semester – 1**  
**Psy-01**  
**COGNITIVE PROCESSES-I**

**Objective**

This course introduces the basic concepts and theoretical development in the area of attention, perception and memory.

**Unit I**

Introduction: Origin and Current Status of Cognitive Psychology

Attentional Process: Selective Attention and Its Theories; Divided Attention and Resource Allocation.

**Unit II**

Memory: Models of Memory Structural and Levels of Processing Models, Tulving's Episodic, Autobiographical and Procedural Models; McClelland's PDP Approach;

Sensory Memory: Iconic and Echoic Memories. Short-Term Memory; Long-Term Memory; Flash Back Memories; Memory Improvement.

**Unit III**

**Semantic Memory:** Nature, Methodology and Structure. Feature Comparison Model and Network Models.

**Concept Formation:** Well-Defined Concepts: Features and Rules. Ill- Defined Concepts, Empirical Characteristics. **Models-** Exemplar and Prototype Models.

**Unit IV**

Imagery and Cognitive Maps: Characteristics of Images. Cognitive Maps; Distance, Shape and Relative Positions. Perceptual Process; Bottom Up and Top-Down Approaches: Pattern Recognition.

**Readings**

- Galotti, K.M. (1990) Cognitive Psychology in and Outside Laboratory Mumbai: Thomson Asia.
- Matlin, Margaret W. (1995) Cognition (III Ed.) Prism Book Pvt. Ltd; Bull Temple Road, Basavasigudi, Bangalore- 560019.
- Snodgrass, Jone Gray (1985). Human experimental Psychology, New York Oxford University Press.
- S.J. Sheetleworth, (1998). Cognition, Evolution and Behavior Oxford University Press New York.

