

SEMESTER-II

CPSY- 122

COGNITIVE PSYCHOLOGY

Credit Hour: 3

Type: Foundation

Course Objectives

This Course provides an understanding of the mental processes involved in cognition, perception, attention, memory, thinking, language and reasoning processes. The core focus will be on how information is received, perceived, filtered, stored, retrieved and conveyed which will provide an understanding of the mental processes through which information is acquired, processed and conveyed.

Course Contents

Introduction

Nature and Scope of Cognitive Psychology

Historical Perspective

Perception and Attention

Sensory memory: Iconic memory & echoic memory

Pattern recognition: Template matching and Feature Analysis

Speech recognition and Voice onset time

Perceptual Laws of Organization

Object Perception

Spatial vs. linear representation

Depth Perception

Colour Perception

Perception of Movement

Knowledge Representation

Perception based knowledge

Meaning based knowledge

Memory Modes of

Memory

Encoding and Retrieval

Storage

Organization of Knowledge

Thinking and Problem solving

Mean –end Analysis

Problem Solving by Analogy

Heuristic and algorithms

Reasoning

Deductive and inductive reasoning

Conditional reasoning

Syllogism

Language

Language comprehension: Parsing, Semantic considerations and Utilization.

Language and thought

Child language Acquisition

Psycholinguistics

Linguistic Determinism

Transformational Grammar

Course Outcome

After completing this Course Students will be able to: Think critically about the internal processes involved in human cognition and articulate the basic principles, major theories, and research concerning higher mental processes

Recommended Books:

Friedenberg, J. (2012). Cognitive science (2nd ed.). Los Angeles: Sage

Galotti, K. M. (2013). Cognitive Psychology in and out of the laboratory. New York: SAGE Publications.

Groome, D. (2013). An introduction to cognitive Psychology: Processes and disorders. London: Psychology Press.

Kellogg, R. T. (2012). Fundamentals of cognitive Psychology (2nd ed.). Los Angeles: Sage. Medin, D., & Ross, B. (2005). Cognitive Psychology. (4th ed.). UK: John Wiley Inc. Parkin, A. J. (2013). Essential cognitive Psychology: Classic edition. Hove, East Sussex: Routledge.

Reed, S. K. (2000). Cognition (5th ed.). Belmont: Wadsworth / Thomson Learning.

Reisberg, D. (2013). The Oxford handbook of cognitive Psychology. Oxford: Oxford University Press.

Robinson-Riegler, G. (2012). Cognitive Psychology (2nd ed.). Singapore: Pearson South Asia Pvt. Ltd

Sternberg, R. J., Sternberg, K., & Mio, J. S. (2012). Cognitive Psychology. Australia: Wadsworth/ Cengage Learning