

Course Code	Course Title	L	T	P	C
BHUM110E	Cognitive Psychology	2	0	2	3
Pre-requisite	Nil	Syllabus version			
		1.0			
Course Objectives					
<ol style="list-style-type: none"> 1. To understand the higher order process in cognition. 2. To enable the students to identify and apply the different aspects of cognitive process. 3. To enable the students to administer various assessments for mental process. 					
Course Outcomes					
On completion of this course the students will be able to:					
<ol style="list-style-type: none"> 1. Explain how information processing works. 2. Comprehend the various cognitive processes such as attention, perception, memory, imagery and meta cognition. 3. Adopt various strategies to enhance problem solving process. 4. Describe cognitive development and disorders. 5. Apply tools and techniques to understand the cognitive processes through psychometric assessment. 6. Conduct practical experiments to assess the cognitive skills. 					
Module:1	Cognitive Psychology	5 hours			
Contemporary Cognitive Psychology, Approaches- Experimental Cognitive Psychology - Computational Cognitive Science- Cognitive Neuropsychology- Cognitive Neuroscience, Application of Cognitive Psychology.					
Module:2	Perception and Attention	4 hours			
Understanding perception, Visual and auditory- Gestalt laws of organization, Perceptual constancy - depth perception, size perception, perception of movement; Various sensory modalities; Extrasensory perception. The nature and roles of attention- types of Attention: selective attention models of selective attention divided attention and multitasking, Endogenous and Exogenous Effects in Space.					
Module:3	Thinking and Reasoning	4hours			
Meaning and Definition- Nature- Types: Perceptual or concrete- Conceptual or abstract- Creative – Logical or reasoning - Convergent and Divergent Thinking. Thinking and intelligence: Alterations. Reasoning: Meaning- Inductive reasoning- Deductive reasoning- Abdicative reasoning.					
Module:4	Creativity	3hours			
Meaning and Aspects of Creativity - Stages of Creativity- Creativity and Intelligence- Measurement of Creativity.					
Module:5	Memory	4hours			
Introduction- Types- Sensory memory- Short-term memory- Working memory- Long-term memory- forgetting and false memory- Everyday memory: Autobiographical- Eyewitness testimony. Memory distortions: Reconstructive Retrieval- Encoding Distortions - Source Monitoring - Eyewitness Testimony. Meta cognition. Memory Enhancement Techniques.					
Module:6	Problem Solving and Decision Making	4hours			
Introduction- Steps, Barriers to Problem Solving: Mental Set and Functional Fixedness- Unnecessary Constraints- Irrelevant Information. Problem-Solving Strategies: Heuristic- Algorithm- Abstraction- Hypothesis testing- Means-ends analysis- Root-cause analysis- Trial and error. Decision making, hypothetical thinking and rationality. Decision-making styles.					
Module:7	Cognitive Development and Disorders	4hours			
Cognitive Development Theories- Piaget's cognitive development- Background and key concepts- Skills & Important Milestones. Cognitive disorders -Symptoms, Causes and Effects- Types- Developmental disorders, Motor skill disorders, Dementia - Confusion- poor motor co-ordination- Loss of memory- identity confusion- impaired judgement.					

Module:8	Contemporary Issues	2 hours
Total Lecture Hours:		30 hours
Text Book(s)		
1.	Galotti, K.M. (2017), Cognitive Psychology In and Out of the Laboratory, 6 th Edition, Sage.	
2.	Kellogg, R.T. (2015), Fundamentals of Cognitive Psychology, 3 rd Edition, Sage Publications.	
Reference Books		
1.	Goswami, U. C. (2020), Cognitive Development and Cognitive Neuroscience: The Learning Brain. London; New York: Routledge, Taylor & Francis Group.	
2.	Whiteley, C. (2020), Cognitive Psychology, CGD Publishing, 2 nd edition.	
3.	Eysenck, M. W., & Brysbaert, M. (2018), Fundamentals of Cognition. Milton: Taylor and Francis.	
4.	Stenberg, R.J., Stenberg, K. (2016), Cognitive Psychology, 7 th Edition. Wadsworth.	
5.	Groome, D., & Eysenck, M. W. (2016), An introduction to Applied Cognitive Psychology, London; New York: Routledge, Taylor & Francis.	
Mode of Evaluation: Continuous Assessment Tests, Quizzes, Assignment, Final Assessment Test		
Indicative Experiments		
1.	Assessment of Attention	3hours
2.	Assessment of Memory	3hours
3.	Assessment of Creativity	3hours
4.	Assessment of Perception (Auditory/Spatial/Visual)	3hours
5.	Assessment of Intelligence	3hours
6.	Assessment of Critical Thinking	3hours
7.	Assessment of Problem Solving/Decision Making	3hours
8.	Assessment of Logical Reasoning/Inductive Reasoning/Diagrammatic Reasoning	3hours
9.	Assessment of Error checking	3hours
10.	Assessment of Psycholinguistic Abilities	3hours
Total Laboratory Hours		30 hours
Mode of Evaluation: Continuous Assessment Tests, Final Assessment Test		
Recommended by Board of Studies	23-05-2022	
Approved by Academic Council	No.66	Date 16-06-2022