



## **BRAINWARE UNIVERSITY**

Term End Examination 2023-2024 Programme - M.Sc.(APSY)-2022/M.Sc.(APSY)-2023 Course Name – Applied Cognitive Psychology & Neuropsychology Course Code - APSY101 (Semester I)

Full Marks: 60

Time: 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

## Group-A

(Multiple Choice Type Question)

1 x 15=15

- Choose the correct alternative from the following:
- (i) Identify the primary function of the cerebral cortex.
  - a) Regulating involuntary functions like breathing and heart rate
  - c) Controlling basic survival instincts
- b) Processing and integrating sensory information
- d) Balancing the body during movement
- (ii) How does selective attention relate to consciousness?
  - a) It refers to the ability to focus on specific
  - information while ignoring other stimuli.
  - c) It is a form of meditation.

- b) It is the state of being fully awake at all
- d) It is unrelated to consciousness.
- (iii) Imagine a situation where a person is in a deep state of meditation. Select the level of consciousness which is this individual likely experiencing.
  - a) Altered state of consciousness
- b) Higher state of consciousness
- c) Lower state of consciousness
- d) Normal state of consciousness
- (iv) Which neurotransmitter is associated with feelings of pleasure and reward?
  - a) Serotonin

b) Dopamine

c) Acetylcholine

- d) GABA
- (v) According to the Integrated Information Theory (IIT), identify what is the measure of consciousness?
  - a) The number of neurons firing in the brain.
- b) The degree of information integration within a system.
- c) The amount of sensory input processed.
- d) The level of neural synchrony.
- (vi) Differenciate top-down and bottom-up attentional processes.
  - a) Top-down involves automatic responses, while bottom-up involves deliberate control.
  - c) Top-down is driven by external stimuli, while bottom-up is guided by prior knowledge.
- Top-down is goal-driven, while bottom-up is stimulus-driven.
- Top-down involves peripheral vision, while bottom-up focuses on central vision.

- 8. Describe Baddeley and Hitch's model of working memory in detail, including its components and how they interact to process information. 9. Illustrate the major components of brain. 10. Explain the Information Processing Approach.
- 11. Critically evaluate the concept of consciousness.
- 12. Evaluate the concept of depth perception and its importance.

OR

Evaluate the relationship between creativity and thinking.

(5)

(5)(5)

(5)