DECEMBER 2023 **U/ID 22189/URG1A**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions each in 30 words.

1. Explain biological behaviour.

2. What are the functions of the sympathetic nervous system?

3. What are endocrine systems?

4. What is Corpus callosum?

5. List out functions of the midbrain.

6. Write a note on autoreceptors?

7. What are the layers of meninges?

8. Explain the functions of the spinal cord.

9. What is the work of the afferent axon?

10. Define Placebo effect.

11. What is attack behaviour?

12. What is emotion?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions each in 200 words.

13. Give a short note on the biological explanation of behaviour.

14. Elucidate careers in neuroscience.

15. Write a short note on functions of cerebral cortex.

16. Draw and explain the structure of a neuron.

17. Discuss the features and importance of the blood-brain barrier.

18. Discuss the plasticity after brain damage.

19. Describe physiological responses of emotion.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions each in 500 words.

20. Elaborate on Brain anatomy with behaviour.

21. Write an essay on the recovery of brain functions.

22. How neural activity is monitored? Narrate the methods.

23. Explain the physiological and chemical correlates of learning.

24. Elaborate on the role of frontal Lobes in cognitive and emotional functions.
