MAY 2025 **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. Define Bio Psychology.

2. Expand MRI, PET, TBI and EEG.

3. What are Neurons?

4. What are the functions of the Forebrain?

5. Mention the four lobes of cerebral cortex.

6. What are the types of Glial Cells?

7. What is an Action Potential?

8. How does the nerve impulse pass on to the next neuron?

9. Define Axon potential.

10. What is Brain Plasticity?

11. What is Phantom limb?

12. What are the brain areas associated with emotion?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions each in 200 words.

13. What are the career opportunities in Bio Psychology Field?

14. Discuss about the Ventricles.

15. Write about the sensory and motor nerves and their functions.

16. Describe the blood-brain barrier.

17. What happens if the corpus callosum is cut?

18. Write notes on Axon Sprouting.

19. Explain the functions of emotions.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions each in 500 words.

20. How is brain activity recorded?

21. Elaborate upon the structure and functions of the Autonomic Nervous System.

22. Narrate the anatomy of a Neuron with a neat diagram.

23. Elucidate upon the visual and auditory connections to the hemispheres.

24. Give a detailed account on the aspects of attack behaviours.

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