MAY 2022 **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. What does an ontogenetic explanation describe?

2. What are glial cells?

3. What is a blood-brain barrier?

4. What do you mean by refractory period?

5. What is thalamus? From where is it derived?

6. What is the function of cerebrospinal fluid?

7. Expand CAT, MRI and EEG.

8. What is the common cause of brain damage in old people? What are its types?

9. What is Diaschisis?

10. What is behavioural activation system?

11. How does a startle reflex happen?

12. What is Dyslexia?

PART B — ($5 \times 5 = 25$ marks)

Answer any FIVE questions each in 200 words.

13. Explain the meaning and categories of monism.

14. Discuss the types of glial cells.

15. Describe about temporal and spatial summation.

16. Narrate the structure, parts and functions of the autonomic nervous system.

17. Explain how the cerebral cortex is organized.

18. Write notes on magnetic resonance imaging.

19. Give the meaning and use of denervation super sensitivity.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions each in 500 words.

20. Elaborate upon the methods of recording brain activity.

21. Narrate the structure and functions of the forebrain and midbrain.

22. Explain the action potential in detail.

23. Discuss the types of synthesis of neurotransmitters.

24. Write in detail about the brain areas associated with emotions.

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