

25P232

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Name:

Reg.No:

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2026

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC22PCPY2C06 - BIO PSYCHOLOGY

(Clinical Psychology)

(2022 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. Discuss the factors influencing the speed of action potential propagation along neurons.
2. Summarize the functions of the spinal cord in the nervous system.
3. Explain about major fissures and major gyri of forebrain.
4. Discuss any three methods of visualising and stimulating the living human brain.
5. Discuss the anatomical differences between the cerebral hemispheres.
6. Describe physiological mechanisms involved in attack behaviors.
7. Describe the effects of sex hormones and hypothalamus in sexual behaviors.

(4 × 2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Summarize the synthesis, packaging, transportation and release of neurotransmitter molecule.
9. Summarize the structure and functions of the diencephalon.
10. Summarize the importance of limbic system as a functional system of human brain.
11. Discuss the role of basal ganglia and other brain areas in memory functioning.
12. Summarize different types of attention.
13. Critically evaluate James-Lange theory of emotion with proper physiological examples.
14. Explain different types of thirst and its physiological basis.

(4 × 3 = 12 Weightage)

Part-C

Answer any ***two*** questions. Each question carries 5 weightage.

15. Discuss the structure and functions of the neurons in the nervous system.
16. Explain the neuroplastic responses to nervous system damage.
17. Explain how brain damage and language is related.
18. Describe stress, its categories and coping strategies.

(2 × 5 = 10 Weightage)
