



K23U 3449

Reg. No. :

Name :

III Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, November 2023
(2019 to 2022 Admissions)

COMPLEMENTARY ELECTIVE COURSE IN PSYCHOLOGY
3C03PSY : Neurobiological Perspective

Time : 3 Hours

Max. Marks : 40

PART – A

Define the following. Answer **all** questions. **Each** carries 1 mark.

(6×1=6)

1. Synapse
2. Meninges
3. Spinal cord
4. Axon
5. Cerebellum
6. All or none law.

PART – B

Write short essay on **any six** of the following. **Each** carries 2 marks.

(6×2=12)

7. Explain the functions of frontal lobe.
8. Discuss the blood-brain barrier.
9. Discuss the types of neurons.
10. What is Saltatory conduction ?
11. Explain the functions of cerebrospinal fluid.

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12. Discuss the multisynaptic reflex.
13. Explain the glial cells and its functions.
14. Discuss the functions of neurotransmitters.

PART – C

Write answers on **any four** of the following in **not** less than **150** words. Each carries **3** marks. (4×3=12)

15. Explain the structure and functions of neurons.
16. Discuss the excitatory and inhibitory post synaptic potential.
17. Explain the concept of cerebral dominance.
18. Discuss the somatic nervous system.
19. Elucidate the structure and functions of spinal cord.
20. Explain the influence of hormones on behaviour.

PART – D

Answer **any two** of the following in **not** more than **300** words. Each carries **5** marks. (2×5=10)

21. Write an essay on peripheral nervous system.
 22. What is digestive system ? Explain its structure and functions.
 23. Explain the structure and functions of cerebral cortex with diagrammatic representation of cerebral cortex.
 24. Explain the major endocrine glands and its functions.
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