



K24U 3449

Reg. No. :

Name :

III Semester B.Sc. Degree (C.B.C.S.S. – O.B.E.-Regular/Supplementary/
Improvement) Examination, November 2024
(2019 to 2023 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. Inter neuron.
2. Glial cells.
3. Action potential.
4. All or none law.
5. Refractory period.
6. Saltatory conduction.

PART – B

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

(6×2=12)

7. Structure of a neuron.
8. Types of neuron.
9. Excitatory Post Synaptic Potential (EPSP).
10. Inhibitory Post Synaptic Potential (IPSP).
11. Types of neurotransmitters.
12. Spinal cord.
13. Non-neural materials in the CNS.
14. Brain and reflex action.

P.T.O.



PART – C

Write answers on **any four** of the following in **not** less than **150** words.

Each carries **3** marks.

(4×3=12)

15. Broca's and Wernick's area.
16. Area of planning and thinking.
17. Somatosensory cortex.
18. Motor cortex.
19. Visual auditory cortex.
20. Concept of cortical dominance.

PART – D

Answer **any two** of the following in **not** more than **300** words. **Each** carries **5** marks.

(2×5=10)

21. Draw a neuron and list all of its components. Write a brief description of the various types of neurons and how they work.
22. Prepare a brief description of the central nervous system.
23. Write a brief description of the key components and functions of the brain's different lobes.
24. Explain the roles that the endocrine glands and hormones play in our bodies.