



23104268

QP CODE: 23104268

Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE  
EXAMINATIONS, JANUARY 2023**

**Third Semester**

B.Sc Psychology Model I

**COMPLEMENTARY COURSE - PY3CMT08 - NEUROPHYSIOLOGY OF BEHAVIOUR I**

2017 Admission Onwards

A4899B21

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Mention four functional roles of brain in behaviour.
2. Mention the role of inter neurons.
3. Name four neurotransmitters.
4. What are the divisions of the Central Nervous System?
5. Mention the role of Pituitary in body function.
6. What is endoneurium?
7. Mention the significance of limbic system.
8. Mention the importance of Parasympathetic nervous system.
9. Mention the various parts of the neocortex.
10. Which part of cortex play a key role in memory?
11. Which are the lobes of cerebral cortex ?
12. Mention the role of sleep on memory.

(10×2=20)

**Part B**

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Distinguish between Satellite and Ependymal cells.
14. Describe how an Inhibitory post synaptic potential is caused? mention its significance.





15. Describe the structure and function of Cerebellum .
16. "Hypothalamus is called as Master gland" Justify your answer.
17. Explain the function of occipital lobe of cortex.
18. Mention the role of sympathetic nervous system on body functions.
19. Explain the surgical studies on effects of damage on corpus callosum.
20. Explain the role of cortex in perception and language.
21. Explain the differences of left and right hemispheres and handedness.

(6×5=30)

**Part C**

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain the structure of a neuron, mention the various types of neurons.
23. Write an essay on anatomy of brain stem and its role in behaviour.
24. Explain the role of autonomic nervous system in stressful behaviour.
25. Describe in detail the ground breaking experiments of Meyers and Sperry and their inferences.

(2×15=30)

