



21102006

QP CODE: 21102006

Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) EXAMINATION, AUGUST 2021**

**Third Semester**

B.Sc Psychology Model I

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

2017 Admission Onwards

96EB7141

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

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

1. What are axons?
2. What is synapsis?
3. What is Sodium Pottasium Pump, mention its energy source?
4. Define the term Cyngulate cortex.
5. Mention the parts of the hind brain.
6. Mention the role of Hypothalamus in behaviour.
7. Mention the significance of brain stem.
8. Define Peripheral nervous sytem.
9. Mention the various parts of the neocortex.
10. Mention the role of the parietal lobe.
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. Describe the physiological explanation of behaviour.





14. Distinguish between astrocytes and dendrocytes.
15. Explain the function of parietal lobe of cortex.
16. Mention the functions of the spinal cord and spinal nerves.
17. Limbic system is called the “emotional brain” –justify.
18. Describe the parasympathetic nervous system and its significance.
19. Describe the test of cerebral lateralization.
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. Write an essay on the various cells of the nervous system and its role.
23. What is Central Nervous System? Name the divisions in Central Nervous System. Add a short note on the parts of brain with its functions.
24. Describe the Autonomic Nervous system. The role of Sympathetic and Parasympathetic Nervous system on the behaviour of man.
25. Describe in detail the ground breaking experiments of Meyers and Sperry and their inferences.

(2×15=30)

