B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, APRIL 2022

Third Semester

B.Sc Psychology Model I

COMPLEMENTARY COURSE - PY3CMT08 - NEUROPHYSIOLOGY OF BEHAVIOUR I

2017 Admission Onwards

E2F8A9D2

Time: 3 Hours   Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Mention the significance of Interneurons

2. Mention the significance of Dopamine in behaviour.

3. Mention the role of Post synaptic receptor.

4. Define the term Hippocampus.

5. Mention the parts of the hind brain.

6. Mention any four functions of spinal cord.

7. Mention the significance of brain stem.

8. Mention the importance of Parasympathetic nervous system.

9. Mention the role of frontal lobe in behaviour.

10. What is Wernicke's aphasia?

11. Which are the lobes of cerebral cortex ?

12. Define sleep.

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Describe the different structures present inside the neuron.

14. Explain the depolarization and repolarization process.

15. Describe the ventricles of brain and its significance.

16. Describe the Mesencephalon and its role in behaviour.

17. Mention the significance of the limbic system and the Basal ganglia.

18. What are the functions of sympathetic nervous system?

19. Describe the structural details of the neocortical layers.

20. Explain the impact of damage to Basal ganglia.

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. Elucidate in detail the biological explanation of brain and behaviour.

23. Write an essay on role of hypothalamus in controlling other endocrine glands and body functioning.

24. Describe the Autonomic Nervous system and its function. Explain its role in behavioural changes.

25. Explain in detail the studies reporting the effects of damage to various areas of cortex on language related abilities.

(2×15=30)