



QP CODE: 22101450

Reg No :

Name :

**B.Sc DEGREE (CBCS) IMPROVEMENT / REAPPEARANCE EXAMINATIONS,
MAY 2022**

Fourth Semester

B.Sc Psychology Model I

Complementary Course - PY4CMT11 - BIOPHYSIOLOGY OF BEHAVIOUR II

2017 Admission Onwards

CB21BFEC

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What are the functions of bone marrow?
2. What are the factors causing hypersensitivity?
3. Write notes on biofeedback and meditation.
4. Write notes on hormones of posterior pituitary.
5. Differentiate between sympathetic and parasympathetic nervous system.
6. What is HPT axis?
7. Discuss the influence of glucocorticoids on learning and memory.
8. Briefly explain instrumental learning.
9. What is meant by short term memory?
10. What is state dependent memory?
11. Discuss the role of glycine as a neurotransmitter.
12. What is naloxone?

(10×2=20)





Part B

Answer any **six** questions.

Each question carries **5** marks.

13. Differentiate between humoral and cell mediated immunity.
14. Write a short note on immunosuppression.
15. Discuss the functions regulated by the endocrine system.
16. Write an account on hormonal influence on behaviour.
17. Describe the physiological basis of classical conditioning with the help of a neural model.
18. Describe the mechanism of Long-term Potentiation.
19. Explain the causes and symptoms of Alzheimers disease.
20. Write a short note on brain metabolism.
21. Write an account on antipsychotic drugs.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Write a detailed account on humoral immune responses.
23. Write an essay on non specific immunity.
24. Write an essay on Behaviour (emotion) and the limbic system.
25. Explain the physiological mechanisms of memory in the brain.

(2×15=30)

