



23123785

QP CODE: 23123785

Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) REGULAR EXAMINATIONS, MAY 2023**

**Fourth Semester**

B.Sc Psychology Model I

**COMPLEMENTARY COURSE- PY4CMT11 - BIOPHYSIOLOGY OF BEHAVIOUR II**

2021 Admission Only

D3A9EADB

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

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

1. Write a note on interferons.
2. Write notes on lymph nodes.
3. Define immunological memory.
4. Define diabetes mellitus.
5. Differentiate between sympathetic and parasympathetic nervous system.
6. What is HPT axis?
7. Comment on the influence of gonadal hormones on learning and memory.
8. What is meant by short term memory?
9. What is meant by long term depression?
10. Comment on optical hologram hypothesis.
11. Define MAO and COMT.
12. Write notes on chlorpromazine.

(10×2=20)

**Part B**

*Answer any **six** questions.*

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





13. Briefly describe the mechanism of humoral immune response.
14. Give a brief account on psychoneuroimmunology.
15. Write an account on hormones of hypothalamus.
16. Write an account on hormonal influence on behaviour.
17. Differentiate between associative and non associative learning.
18. Discuss the physiological changes during learning.
19. Explain the causes and symptoms of Alzheimers disease.
20. Write a short note on brain metabolism.
21. Discuss the importance of opiate receptor system in brain.

(6×5=30)

### **Part C**

*Answer any **two** questions.  
Each question carries **15** marks.*

22. Write an essay on cell mediated immune responses.
23. Write a detailed account on hypersensitivity reactions.
24. Write an essay on Behaviour (emotion) and the limbic system.
25. Explain the physiological mechanisms of memory in the brain.

(2×15=30)

