



QP CODE: 24020928



24020928

Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) REGULAR EXAMINATIONS, APRIL 2024**

**Fourth Semester**

B.Sc Psychology Model I

**Complementary Course - PY4CMT11 - BIOPHYSIOLOGY OF BEHAVIOUR II**

2017 Admission Onwards

A5FDB92B

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

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

1. What is antigen processing?
2. What are the causes of immunosuppression?
3. Differentiate between immediate and delayed hypersensitivity.
4. What is goiter?
5. Write notes on thymus gland.
6. Differentiate between preganglionic and postganglionic neurons.
7. Comment on limbic system.
8. What is sensory memory?
9. What are AMPA receptors?
10. Briefly discuss Demensia.
11. Write notes on dopamine neurotransmitter.
12. Comment on beta - endorphin.

(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. Briefly explain the influence of hormones on learning and memory.
16. Write an account on hormonal influence on behaviour.
17. Differentiate between associative and non associative learning.
18. Discuss in detail the anatomical structures involved in visual learning.
19. Discuss the triggers for memory retrieval in brain.
20. Briefly explain the role of blood brain barrier in brain metabolism.
21. Short note on antianxiety drugs.

(6×5=30)

### **Part C**

*Answer any **two** questions.*

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

22. Write an essay on non specific immunity.
23. Write an essay on immune cells.
24. Write an essay on hypothalamohypophyseal endocrine system.
25. Describe the major anatomical areas of brain which contributes towards learning.

(2×15=30)

