



QP CODE: 20100900



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Reg No :

Name :

B.Sc DEGREE (CBCS) EXAMINATION, MARCH 2020

Fourth Semester

B.Sc Psychology Model I

Complementary Course - PY4CMT11 - BIOPHYSIOLOGY OF BEHAVIOUR II

2017 Admission onwards

74200236

Time: 3 Hours

Marks: 80

Part A

*Answer any **ten** questions.*

Each question carries 2 marks.

1. Comment on the role of lysozyme in innate immunity.
2. What are dendritic cells?
3. What are memory cells?
4. Write notes on pineal gland.
5. Differentiate between sympathetic and parasympathetic nervous system.
6. What is HPA axis?
7. Briefly discuss the influence of oxytocin on behaviour.
8. What is associative learning?
9. What is the role of cerebellum in learning?
10. What is meant by short term memory?
11. Write notes on GABA?
12. Write notes on synthetic opiate etrophine.

(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. Differentiate between Amygdala and Hippocampus.
17. Describe the mechanism of Long-term Potentiation.
18. Discuss the triggers for memory retrieval in brain.
19. What is Dementia and how does it differ from Amnesia.
20. Briefly explain the role of blood brain barrier in 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 an essay on cell mediated immune responses.
23. Write a detailed account on hypersensitivity reactions.
24. Write a detailed account on pituitary hormones and its effects.
25. Describe the major anatomical areas of brain which contributes towards learning

(2×15=30)

