

Reg. No

Name

24U450

B. Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2024

SEMESTER 4 - PSYCHOLOGY

COURSE : 19U4CPBHS4 - BIOPHYSIOLOGY OF BEHAVIOUR II - PAPER IV

(For Regular - 2022 Admission and Improvement / Supplementary - 2021/2020 Admissions)

Time : Three Hours

Max. Marks: 75

PART A

Answer All (1 mark each)

1. A poverty or slowness of movement including a blankness of facial expression or a lack of blinking, swinging of the arms when walking, spontaneous speech, or normal movements of fidgeting is called -----.
2. Give an example of an anxiolytic drug.
3. ----- are specialised complex membrane connections or junctions through which neurons communicate with each other.
4. The compilation of various physical and functional neural changes resulting in memory is called -----.
5. The ----- of the eyes manufactures and drains away tears in response to irritants.
6. Kupffer cells in the liver are an example of -----.
7. ----- is the process that alters the newly stored and still unstable information to make it more stable for long term storage.
8. Melatonin is secreted by the -----.
9. ----- drugs help to manage psychotic symptoms like delusion and hallucinations associated with schizophrenia and similar disorders.
10. Graves' Disease results from -----.

(1 x 10 = 10)

PART B

Answer any 8 (2 marks each)

11. Define hypersensitivity. Give an example.
12. List out the physiological changes that occur during learning.
13. Explain the placebo effect with the help of examples.
14. Which are the two classes of anxiolytics? Explain.
15. Write a brief note on transfusion reactions.
16. What is cretinism? Mention its symptoms.
17. Why is pituitary gland called the master gland?
18. Differentiate between positive and negative symptoms of mental disorders.
19. Differentiate between Diabetes Insipidus and Diabetes Mellitus.
20. Differentiate between long term potentiation and long term depression.

(2 x 8 = 16)

PART C

Answer any 5 (5 marks each)

21. Write a brief note on immunodepression.
22. Write a note on the four Pancreatic Islet hormones.
23. What is a neurotransmitter? Describe any two neurotransmitters with their functions.
24. What is Alzheimer's Disease? What are its major symptoms?
25. Write a short note on Huntington's Disease.
26. Briefly explain any two autoimmune disorders.
27. Write a short note on the functions of the Thyroid hormones.

(5 x 5 = 25)

PART D

Answer any 2 (12 marks each)

28. Write an essay on meditation and its major types.
29. Explain in detail the two major types of acquired immunity based on the type of cells involved in the immune responses.
30. Write an essay on Adrenal gland, the hormones it secretes and the conditions associated with the gland.
31. Explain in detail the influence of hormones on learning and memory.

(12 x 2 = 24)