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N – 7875

Reg. No. :

Name :

Fourth Semester B.Sc. Degree Examination, August 2022

First Degree Programme Under CBCSS

Zoology

Complementary Course for Psychology

ZO 1431.2 : PHYSIOLOGY OF EMOTION AND COGNITION

(2013-2018 Admission)

Time : 3 Hours

Max. Marks : 80

I. Answer the following questions.

1. Rage
2. Hypothalamus
3. Cortex
4. Stress
5. Attitude learning
6. Forgetting
7. Cerebellum
8. Hebbian theory

P.T.O.

9. Spinal memory

10. Neurosis

(10 × 1 = 10 Marks)

II. Answer any **Eight** of the following (Not to exceed **one** paragraph.
Each carries **2** Marks)

11. Episodic memory

12. Lesioning Retrograde amnesia

13. Diencephalic structures

14. Instrumental conditioning

15. Lashley's work

16. Engram

17. Fear

18. Limbic system

19. Motor learning

20. Amnesic syndrome

21. Short term memory

22. Korsakoff's syndrome

(8 × 2 = 16 Marks)

III. Answer any **six** of the following (Not to exceed **120** words. Each carries **4** Marks)

23. Describe visceral breakdown.

24. Explain Arousal hypothesis.

25. Discuss the role of frontal lobe.
26. Explain synaptic basis of learning.
27. Describe Paradoxical sleep.
28. Discuss the changes in neuronal activity.
29. Describe Human amnesic syndrome.
30. Explain decay theory of forgetting.
31. Explain memory retrieval.

(6 × 4 = 24 Marks)

IV. Answer any Two of the following (Each carries 15 Marks)

32. Write an essay on physiological responses to stress.
33. Discuss the experiments of Pavlov in learning.
34. Explain the mechanism of criteria of memory.
35. Explain the biological theories of emotion.

(2 × 15 = 30 Marks)