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N – 2665

Reg. No. :

Name :

Third Semester B.Sc. Degree Examination, March 2022.

First Degree Programme under CBCSS

Zoology

Complementary Course for Psychology

ZO 1331.2 – PHYSIOLOGY OF MOTIVATION

(2019 & 2020 Admission)

Time : 3 Hours

Max. Marks : 80

Draw diagrams only if specified in the question

- I. Answer all questions in one or two sentences. [Each question carries 1 mark].
1. Leptins.
 2. Obesity.
 3. Glucostat Theory.
 4. SADS.
 5. Progesterone.
 6. Osmotic Thirst.
 7. Opioids.
 8. Satiety.

P.T.O.

9. Arcuate Nucleus.

10. Sex Hormones.

(10 × 1 = 10 Marks)

II. Answer **any eight** questions. [Each question carries **2 marks** and should not exceed one paragraph]

11. Taste Aversion Learning.

12. Estrus Cycle.

13. Sleep Factors.

14. Palatability.

15. Coolidge Effect.

16. Sexual Orientation.

17. Dopamine and Sexual Behaviour.

18. Expand ARAS.

19. Role of Insulin.

20. Functions of Sleep.

21. Significance of "α-MSH".

22. Role of Pituitary in Sexual behaviour.

23. Internal Cues for Feeding

24. Effect of Serotonin.

25. What is NPY?

26. Biological perspectives of Dreaming.

(8 × 2 = 16 Marks)

III. Answer **any six** questions. [Each question carries **4 marks**. Each answer should not exceed **120 words**].

27. Bring out the relationship between Palatability and Food Intake.
28. Describe any three Abnormalities of Feeding.
29. Explain the role of the Subfornical organ in Drinking behavior.
30. Comment on Serotonergic Systems.
31. Write a short note on Noradrenergic systems
32. Mention various Mating patterns.
33. Describe the Reciprocal interaction model of Sleep.
34. Explain Characterizing Sleep.
35. Give the significance of Brain Stem Nuclei in Sleep.
36. Add a short note on the Feeding Centres in the Brain.
37. Mention the External Cues of Sexual Behaviour.
38. Write a short note on Jet Lag.

(6 × 4 = 24 Marks)

IV. Answer **any two** questions. [Each question carries **15 marks**] Answer as a short essay.

39. Describe the role of Pheromones, Pituitary and Gonads in Reproduction.
40. Mention how Sleeping and Waking up are regulated in humans.
41. Explain the various Reproductive behaviour cycles.
42. List out the biological activities taking place when one sleeps.
43. Explain the physiological mechanisms involved in Eating.
44. Write an essay on the regulatory mechanism of Drinking.

(2 × 15 = 30 Marks)