

QP CODE: D3BZL2403

(Pages: 2)

Reg. No :

Name :

THIRD SEMESTER FYUGP EXAMINATION, NOVEMBER 2025

Discipline Specific Core (DSC) Courses - Minor

ZOO3MN202 : Physiology of Behaviour & Senses

(Credits: 4)

Time: 2 Hours

Maximum Marks: 70

Section A

Answer the following questions. Each carries 3 marks (Ceiling: 24 marks)

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|--|-----|-----|
| 1. Name any three hormones regulating food intake. | BL1 | CO1 |
| 2. Define sexual differentiation. | BL1 | CO2 |
| 3. What are the three types of cones? | BL1 | CO3 |
| 4. Comment on the olfactory membrane. | BL1 | CO4 |
| 5. How can water toxicity affect electrolyte balance? | BL3 | CO1 |
| 6. Briefly explain the role of the amygdala in emotion. | BL2 | CO2 |
| 7. Write a short on the auditory muscles. | BL2 | CO3 |
| 8. Comment on the analgesia system. | BL2 | CO4 |
| 9. Write a short note on pica. | BL2 | CO1 |
| 10. How does the stimulation of reward centers influence behavior? | BL3 | CO2 |

Section B

Answer the following questions. Each carries 6 marks (Ceiling: 36 Marks)

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|--|-----|-----|
| 11. Explain how damage to the vestibular apparatus would affect the balance of the body. | BL3 | CO3 |
| 12. Explain the detection and transmission of tactile sensations. | BL2 | CO4 |
| 13. Explain the role of neural centers that influence the mechanical process of feeding. | BL2 | CO1 |
| 14. Explain how adrenalectomy would affect the stress response? | BL3 | CO2 |

(PTO)

15. Analyze the impact of color blindness on daily life.	BL3	CO3
16. Explain thermal sensation, including its receptors and mechanism.	BL2	CO4
17. Describe the central factors affecting water regulation.	BL2	CO1
18. Explain how hypothalamic lesions would affect sexual behaviour?	BL3	CO2

Section C

Answer any one question. Each carries 10 marks (1 x 10 = 10 Marks)

19. Elucidate the taste pathway and the transmission of signals into the CNS.	BL2	CO4
20. Explain in detail the chemistry of phototransduction.	BL2	CO3

CO : Course Outcome

BL : Bloom's Taxonomy Levels (1 – Remember, 2 – Understand, 3 – Apply, 4 – Analyse, 5 – Evaluate, 6 – Create)