

D 140247

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Name.....

Reg. No.....

**SIXTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION****APRIL 2026**

Zoology

ZOL 6B 10 T—PHYSIOLOGY AND ENDOCRINOLOGY

(2020 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

**Section A (Short Answer Type)***All questions can be answered.**Each question carries 2 marks.**(Ceiling 20 marks)*

1. What is balanced diet ?
2. Write the structure of Haemoglobin.
3. What is ESR ?
4. Write the adaptation in desert animals for water conservation.
5. What is Tetany ?
6. What are Neurotransmitter ? Give an example.
7. Write the significance of bioluminescence in deep sea fishes.
8. Name any *two* endocrine structures in Crustaceans.
9. What are hormone receptors ? Give an example.
10. Name any *two* hormones from Hypothalamus and its role.
11. Write the major blood groups in man.
12. What is the importance of fibers in diet ?

**Turn over**

**Section B (Paragraph/Problem Type)**

*All questions can be answered.*

*Each question carries 5 marks.*

*(Ceiling 30 marks)*

13. Briefly describe the Oxygen dissociation curve and the factors affecting on it.
14. Write a note on various types of cardiovascular problems and the contributing factors.
15. Briefly describe the pathway of Urea cycle.
16. Describe the change in ionic distribution across the nerve membrane during impulse propagation.
17. Name the Neuro endocrine structure in Insects and mention its role.
18. Write the mechanism of action of steroid hormones.
19. Write the major hormones from ovary and mention its function.

**Section C (Essay Type)**

*Answer any **one** of the following question.*

*The question carries 10 marks.*

20. Describe the major events in urine formation.
21. Write the mechanism of Gas exchange and neural control on respiration.

(1 × 10 = 10 marks)