

23U617

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Name:

Reg.No:

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2026

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19UZOL6B10 - PHYSIOLOGY AND ENDOCRINOLOGY

(Zoology - Core Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

Answer **all** questions. Each question carries 2 marks.

1. Discuss about the importance of fibers in diet.
2. How many centres are involved in respiration? Name them.
3. What is cardiac output?
4. Differentiate osmoconformers and osmoregulators.
5. What are anisotropic bands?
6. What is neuromuscular junction?
7. What are oligodendrocytes?
8. What is saltatory transmission?
9. What are electric organs?
10. Explain x-organs and y-organs in crustaceans.
11. Explain any six functions of thyroid hormones.
12. Explain the role of oestrogens in female sexual cycle.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer **all** questions. Each question carries 5 marks.

13. Explain Nervous and hormonal control of digestive activity.
14. Give an account of the structure and role of Haemoglobin.
15. Describe Urea cycle.
16. Explain different types of excretion.

17. Explain biochemistry of muscle contraction.
18. Define the concept of neurosecretion.
19. Discuss hormonal action at the level of surface receptors with an example.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any ***one*** question. The question carries 10 marks.

20. Explain functions and composition of blood.
21. Describe any five endocrine glands in humans.

(1 × 10 = 10 Marks)
