

**21U616**

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Name: .....

Reg.No: .....

**SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2024**

(CBCSS - UG)

(Regular/Supplementary/Improvement)

**CC19U ZOL6 B10 - 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. What is obesity? Give two reasons for it.
2. What are the two process involved in breathing? Mention it's significance.
3. Describe sickle cell anaemia.
4. Define uricotelism.
5. What are the different types of excretion?
6. Explain renal calculi.
7. What are T-tubules?
8. What is motor neron?
9. Define bioluminiscense.
10. Explain cushing's syndrome.
11. Describe the hormone commonly called 'hormone of gestation'.
12. Describe cytosolic level of hormone action.

**(Ceiling: 20 Marks)**

**Part B** (Short essay questions - Paragraph)

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

13. Discuss the advantages of breast feeding.
14. Explain Coagulation of blood.
15. Discuss the organization of actin filament.
16. Discuss energetics of muscle contraction.

17. Illustrate synaptic transmission of impulses.
18. Describe the endocrine system of insects.
19. Explain neuro-hormonal integration and neuro endocrine pathways with examples.

**(Ceiling: 30 Marks)**

**Part C (Essay questions)**

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

20. Explain neurophysiological control of respiration.
21. Describe any five endocrine glands in humans.

**(1 × 10 = 10 Marks)**

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