20U616 (Pages: 2) Name: .....

Reg.No: .....

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2023

(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. Discuss any four significance of dietary fibre.
2. How does peripheral chemoreceptors function? Explain.
3. Define Haemolysis.
4. What are the factors in which ESR depends on?
5. Define uricotelism.
6. What is alkalosis?
7. What are anisotropic bands?
8. What is motor neuron?
9. What is depolarization?
10. Explain the role of neurosecretory cells and ecdysial glands in insects.
11. Explain negative feedback mechanism with an example.
12. Describe short- loop and long-loop feedback mechanism.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Explain Oxygen- Haemoglobin dissociation curve and its significance.
14. Explain ammonotelism, urotelism and uricotelism with examples.
15. Discuss the organization of myosin filament.
16. Explain biochemistry of muscle contraction.
17. Summarize the physiology of light production.

18. Explain the role ovary in human reproduction.

19. Describe hormonal action at the level of cytoplasmic receptors with an example.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Explain important Nutritional disorders.

21. Describe any five endocrine glands in humans.

(1 × 10 = 10 Marks)

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