

C 20691

(Pages : 2)

Name.....

Reg. No.....

SIXTH SEMESTER U.G. DEGREE EXAMINATION, MARCH 2022

(CBCSS—UG)

Zoology

ZOL 6B 10 T—PHYSIOLOGY AND ENDOCRINOLOGY

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A

Answer at least eight questions.

Each question carries 3 marks.

All questions can be attended.

Overall Ceiling 24.

1. What is reverse Bohr Effect ?
2. Explain Haematuria.
3. What are neurotransmitters ? Give any *two* examples.
4. What are anticoagulants ? Name any *two* of them.
5. What is muscle fatigue ?
6. Mention any *two* important physiological functions of calcium.
7. Explain the concept of balanced diet.
8. What are the functions of HCl in gastric juice ?
9. What do you mean by double circulation ?
10. What is juxtaglomerular apparatus ?
11. What are gastro intestinal hormones ? Give two examples.
12. What is Myocardial infarction ?

(8 × 3 = 24 marks)

Turn over

Section B

*Answer at least **five** questions.
Each question carries 5 marks.
All questions can be attended.
Overall Ceiling 25.*

13. Describe Ornithine cycle.
14. Explain the importance of fibres in food.
15. Write a note on ruminant digestion.
16. Explain Oxygen-hemoglobin dissociation curve. Add a note on its significance.
17. Give an account of pancreas and its endocrine function.
18. Describe the structure of electric organ. Comment on its major functions.
19. Write a note on hormones of reproduction.

(5 × 5 = 25 marks)

Section C

*Answer any **one** question.
The question carries 11 marks.*

20. Describe the ultra-structure of skeletal muscle fibre and explain the biochemical changes associated with muscle contraction.
21. Explain how a nerve impulse is conducted along a nerve fibre.

(1 × 11 = 11 marks)