K23U 2590

Reg. No. : .....

Name : .....

V Semester B.Sc. Degree (C.B.C.S.S.-O.B.E.-Regular/Supplementary/ Improvement) Examination, November 2023
(2020 – 2021 Admissions)
CORE COURSE IN LIFE SCIENCES (ZOOLOGY) AND COMPUTATIONAL BIOLOGY
5B07 ZCB : Animal Physiology

Time : 3 Hours Max. Marks : 40

PART – A

Write about **each** of the following in **2** or **3** sentences. **Each** question carries **1** mark. **(6×1=6)**

1. GABA
2. All or none law
3. Micturition
4. Bohr effect
5. Anticoagulant
6. PEM.

PART – B

Explain about **any six** of the following. **Each** question carries **2** marks. **(6×2=12)**

7. Neurotransmitter.
8. Balanced Diet.
9. Leydig cells and its hormones.
10. Give an account of the Oxygen dissociation curve.
11. Neuromuscular junction.

P.T.O.

12. Explain Pancreas as an endocrine gland.

13. Differentiate lymph and blood.

14. What are GI hormones ? Give example.

PART – C

Write short essay on **any four** of the following. **Each** question carries **3** marks. **(4×3=12)**

15. What is contractile protein ? Explain any 2.

16. Explain Ornithine cycle.

17. Describe the conducting system of human heart.

18. Synaptic Transmission.

19. Explain Placental hormones.

20. Explain Respiratory problems of Deep Sea.

PART – D

Write essay on **any two** of the following. **Each** question carries **5** marks. **(2×5=10)**

21. Explain the countercurrent mechanism of urine formation.

22. Describe the extrinsic and intrinsic mechanism of Blood clotting.

23. Explain the sliding filament theory of muscle contraction.

24. Give an account on the nerve impulse transmission across a non-myelinated nerve fibre.
