(Pages : 3) S – 3450

Reg. No. : .....

Name : .....

Third Semester B.Sc. Degree Examination, February 2024

First Degree Programme Under CBCSS

Zoology

Complementary Course for Botany, Home Science and Bio-Chemistry

ZO 1331.1 – FUNCTIONAL ZOOLOGY

(2019 Admission Onwards)

Time : 3 Hours Max. Marks : 80

I. Answer the following questions (1 marks each).

1. Spleen
2. Lymphocytes
3. Actin
4. Goitre
5. Uremia
6. Thrombosis
7. Gigantism
8. Muscle twitch
9. Sickle cell anaemia
10. Fatigue

(10 × 1 = 10 Marks)

II. Answer **any eight** of the following (Not to exceed one paragraph). **Each** carries **2** marks.

11. Thymus

12. Active immunity

13. Diabetes melitus

14. Lymph nodes

15. Sketch and label a neuron.

16. Resting potential

17. Anticoagulants

18. Hypercapnia

19. Antigens

20. Acromegaly

21. Latent period

22. Dietary proteins.

(8 × 2 = 16 Marks)

III. Answer **any six** of the following (Not to exceed **120** words). **Each** question carries **4** marks.

23. Explain counter current mechanism.

24. Describe synapse and synaptic transmission.

25. Explain neurotransmitters.

26. Describe the composition of urine.

27. Explain oxygen debt.

28. Describe about vaccination.

29. Describe respiratory pigments.

30. Saltatory transmission.

31. Differentiate between tetanus and tonus.

(6 × 4 = 24 Marks)

IV. Answer **any two** of the following. **Each** carries **15** marks.

32. Write an essay on the structure and function of Immunoglobulin.

33. Explain the role of hormones in reproductive cycle.

34. List the various endocrine glands and their corresponding hormones.

35. Describe Haemophilia.

(2 × 15 = 30 Marks)
