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Reg. No. : .....

Name : .....

Sixth Semester B.Sc. Degree Examination, April 2023

First Degree Programme under CBCSS

Zoology

Foundation Course II

ZO1641 : PHYSIOLOGY AND BIOCHEMISTRY

(2019 Admission Onwards)

Time : 3 Hours Max. Marks : 80

I Answer the following questions. In **one** or **two** sentences. **Each** question carries **1** mark

1. What is scurvy?
2. Comment on cytochrome pigments.
3. What is Bundle of His?
4. Define vital capacity.
5. What is chlorocruorin?
6. What is called cradle of RBC?
7. What is Bowmans capsule?
8. Comment on sertoli cells.
9. What are lecithins?
10. What is omega oxidation?

(10 × 1 = 10 Marks)

P.T.O.

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

11. What is hypocalcemia?

12. Comment on beriberi.

13. What is arteriosclerosis?

14. Comment on juxtamedullary nephrons.

15. What is micturition?

16. What is aldosterone?

17. What are anticoagulants?

18. Explain chloride shift.

19. Comment on oxygen debt.

20. What are the hormones produced by ovary?

21. Give a brief account on feed back mechanism.

22. Comment on micromolecules.

(8 × 2 = 16 Marks)

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

23. Explain the nervous control of digestion.

24. What are the functions of blood plasma?

25. Give an account on lymphatic system.

26. Differentiate between acidosis and alkalosis.

27. What are muscle proteins?

28. Explain reflex action with the help of a diagram.

29. Comment on Parkinson's disease.

30. What are the major eye defects?

31. Briefly describe the male reproductive system in man.

(6 × 4 = 24 Marks)

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

32. Write an essay on intestinal digestion with special reference to various enzymes.

33. Give an account on the common cardiovascular diseases.

34. Explain the composition of urine and comment on abnormal constituents

35. What is a neuron? Explain its structure and various types of neurons with diagrams.

(2 × 15 = 30 Marks)
