(Pages : 3)

ALL SAINTS COLLEGE LIBRARY
No.....
TRIVANDRUM

K – 3272

Reg. No. : .....

Name : .....

Fifth Semester B.Sc. Degree Examination, February 2021

First Degree Programme Under CBCSS

Zoology

Core Course VIII

ZO 1543 – PHYSIOLOGY AND BIOLOGICAL CHEMISTRY

(2015-2017 Admission)

Max. Marks : 80

Time : 3 Hours

I. Answer the following questions in one or two sentences. **1** mark each.

1. Holozoic nutrition.
2. Xeropthalmia.
3. Cholecystokinin.
4. Formed elements of the blood.
5. Competitive inhibition.
6. SA node.
7. Myocardial infraction.
8. Bhor effect.
9. Dyspnoea.
10. Ketotriose.

(10 × 1 = 10 Marks)

P.T.O.

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

11. Lecithin.

12. Beta oxidation.

13. Km value.

14. Transamination.

15. Secondary structure of protein.

16. Isoenzymes.

17. Composition of urine.

18. Conjugated lipids.

19. Types of muscles.

20. Reflex action.

21. Glycogenolysis.

22. Ornithine cycle.

(8 × 2 = 16 Marks)

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

23. Chemi osmotic theory.

24. Hexose monophosphate shunt.

25. Prostaglandins.

26. Types of synapse.

27. Renal disorders.

28. Hormonal control of digestion.

29. Lymphatic system.

30. Ovarian cycle.

31. Biological functions of proteins.

(6 × 4 = 24 Marks)

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

32. Describe the mechanism of nerve impulse transmission.

33. Explain Krebs cycle.

34. Describe mechanism of enzyme action.

35. Explain muscle contraction.

(2 × 15 = 30 Marks)
