ALL SAINTS COLLEGE LIBRARY No.

(Pages : 3) **N – 1371**

Reg. No. : .....

Name : .....

Sixth Semester B.Sc. Degree Examination, April 2022

First Degree Programme Under CBCSS

Zoology

Core Course X

ZO 1642 – ECOLOGY, ETHOLOGY, EVOLUTION AND ZOOGEOGRAPHY

(2017 Admission)

Time : 3 Hours Max. Marks : 80

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

1. Pedology
2. Australopithecus
3. Biopesticides
4. Pheromones
5. Sociobiology
6. Mortality
7. Realms
8. National park
9. WWF
10. Name the Bird continent.

(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. Biosphere reserves

12. Organic farming

13. Sympatric speciation

14. Cosmopolitan distribution

15. Liebig's law of minimum

16. Continental islands

17. RAMSAR SITES in Kerala.

18. Red data book

19. Hibernation

20. Green chemistry

21. Phagotrophs

22. Territoriality.

(8 × 2 = 16 Marks)

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

23. Give Konrad Lorenz's contributions in Ethology.

24. Write account on endangered species.

25. Give the regions and fauna of Australian realm.

26. Write a note on the importance of mangroves in the coastal ecosystem.

27. Describe about J and S shaped curves.

28. Explain the importance on Western Ghats.

29. Explain Hardy-Weinberg equilibrium.

30. Differentiate between Oceanic and Continental islands.

31. Describe the factors affecting animal distribution.

(6 × 4 = 24 Marks)

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

32. Write an essay on the biogeographical classification of India.

33. Explain the different types of Learning.

34. Write an essay on the factors affecting animal distribution.

35. Describe the adaptive radiation shown by Darwin's finches.

(2 × 15 = 30 Marks)