

15U515

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Name:

Reg. No.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, OCTOBER 2017

(CUCBCSS-UG)

**CC15U ZO5 B06-ENVIRONMENTAL BIOLOGY, WILDLIFE CONSERVATION
AND TOXICOLOGY**

Zoology - Core Course

(2015-Admission Regular)

Time: Three Hours

Maximum: 80 Marks

I. Answer all questions. Each question carries 1 mark.

1. What is synecology?
2. What is minamata disease?
3. What is carrying capacity?
4. What is Commensalism?
5. What is carrying capacity?
6. What is LC 50?
7. Give an example for a National park in Kerala
8. Expand CITES.
9. Define ex situ conservation.
10. What is the significance of 'Green Page' in Red Data Book?

(10 x 1 = 10 Marks)

II. Answer *any ten* questions in two or three sentences. Each question carries 2 marks.

11. Distinguish between Alpha, Beta and Gama diversities.
12. Explain hotspots of Biodiversity with examples from India
13. What is Red Data Book? Mention its significance.
14. Write a short note on Kyoto Agreement.
15. Comment on age determination in birds.
16. What is Shelford's law of tolerance?
17. Define ecological niche and Gause's law.
18. What is altruism? Mention its significance.
19. Comment on Berlesse-Tullgreen funnel.
20. What are keystone species?
21. Mention the adverse effects of eutrophication.
22. What is radioactive fallout?

(10 x 2 = 20 Marks)

III. Answer *any five* questions in not more than a paragraph. Each question carries 6 marks.

23. Describe the role of systematics in Biodiversity.
24. Explain the Laws of thermodynamics and energy flow
25. Write a brief account on common bacterial poisoning.
26. Explain strategies of conservation.
27. Explain phosphorus cycle.
28. Explain UNEP and its major functions.
29. What is ecotone and edge effect?
30. Write a brief account on remote sensing.

(5 x 6 = 30 Marks)

IV. Write essays on *any two* of the following. Each question carries 10 marks.

31. Write an account on public health hazards due to toxic chemicals.
32. Explain the properties of population.
33. Give an account on Nitrogen cycle.
34. Describe different wild life projects in India

(2 x 10 = 20 Marks)
