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Name.....

Reg. No.....

SIXTH SEMESTER U.G. DEGREE EXAMINATION, MARCH 2023

(CBCSS—UG)

Zoology

ZOL 6B 12 T—ENVIRONMENTAL AND CONSERVATION BIOLOGY

(2019 Admissions onwards)

Time : Two Hours

Maximum : 60 Marks

Section A

I. Short Answer Questions. Each question carries 2 marks :

1 What are Decomposers? Give an example.

2 What is vital index ?

3 State the role played by WWF in conservation of wild life.

4 What is Lentic ecosystem ? Give an example.

5 What is Sampling ? Write any one method for sampling of aquatic animals.

6 Write any *four* planktonic adaptations in aquatic animals.

7 What is the importance of remote sensing in ecological studies ?

8 Write a note on Simpson's dominance index.

9 How the Community reserve is significant as an ecosystem conservation measure ?

10 What is space ecology ?

11 How will you differentiate species abundance from species dominance ?

12 What is environmental resistance ?

(Ceiling : 20 marks)

Section B

II. Paragraph Questions. Each question carries 5 marks :

13 Illustrate the different phases in S-shaped growth curve.

14 Write a note on Ecological indicators.

15 Describe the various methods used for trapping and collection of aquatic animals.

16 Write a note on Inter specific positive interactions.

17 Briefly illustrate the law of limiting factors.

18 Write a note on the functional role played by IUCN in biodiversity conservation.

19 Briefly describe the various measures for Ex-situ conservation

(Ceiling : 30

Section C

Essay Questions. Answer any *one* question :

20 Write an essay on Nitrogen cycle.

21 Describe the various cause for the loss of biodiversity.

(1 × 10 = 10