

C 40660

(Pages : 2)

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.

Turn over

- 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 marks)

Section C

III. 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 marks)