

C 20693

(Pages : 2)

Name.....

Reg. No.....

SIXTH SEMESTER U.G. DEGREE EXAMINATION, MARCH 2022

(CBCSS—UG)

Zoology

ZOL 6B 12 T—ENVIRONMENTAL AND CONSERVATION BIOLOGY

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A (Short Answer Questions)*Answer at least **eight** questions.**Each question carries 3 marks.**All questions can be attended.**Overall Ceiling 24.*

1. What are ecological indicators ? Give an example.
2. What are Key stone species ?
3. Briefly mention the thermal stratification in pond.
4. Write briefly on management of landslides.
5. What is radio collaring and write its application in animal census.
6. Differentiate between Gross Primary Productivity and Net Primary Productivity.
7. What is the importance of Ramsar Convention ?
8. Write a note on Shannon's diversity index.
9. What is LD50 value and write its significance.
10. What is Demecology ?
11. Explain edge effect.
12. What is lotic ecosystem ? Give an example.

(8 × 3 = 24 marks)

Turn over

Section B (Paragraph Questions)

*Answer at least **five** questions.*

Each question carries 5 marks.

All questions can be attended.

Overall Ceiling 25.

13. Describe the Lindeman's model of energy flow.
14. Write a note on the ecological significance of mangrove ecosystem.
15. Discuss the various properties of a population.
16. Write an account on sustainable development and its significance.
17. Describe the various methods used for trapping and collection of insects.
18. Write the significance of Red data book and enlist the IUCN red list categories.
19. Write an account of hot spots of biodiversity in India.

(5 × 5 = 25 marks)

Section C (Essay Questions)

*Answer any **one** question.*

The question carries 11 marks.

20. Write an essay on different forms of Population Interactions.
21. Describe the various threats to biodiversity.

(1 × 11 = 11 marks)