

Sixth Semester B.Sc. Degree Examination, September 2020

(CBCS Scheme)

Zoology

Paper VIII - ENVIRONMENTAL BIOLOGY AND ETHOLOGY

Time : 3 Hours]

[Max. Marks : 90

Instructions to Candidates : Draw neat labelled diagrams wherever necessary.

PART - A

1. Answer any **TEN** of the following :

(10 × 2 = 20)

1. What is Macro habitat? Give an example.
2. Explain Multi dimensional niche.
3. What is Poikilothermy? Give an example.
4. Write a note on Food web.
5. Explain Mutualism with an example.
6. Mention the Desert adaptations in Camel.
7. What are Pollutants? Give examples.
8. What is Lethal concentration?
9. Mention the causes of Ozone layer depletion.
10. What are National Parks? Give an example.
11. Mention the aims of Wild life conservation.
12. Write a brief note on Sound communication in animals.

**PART – B**

II. Answer any **SIX** of the following :

**(6 × 5 = 30)**

13. Explain Aerial adaptations in Insects.
14. Give an account of Mortality.
15. Briefly explain causes and control measures of Acid rain.
16. Give an account of Wild life sanctuaries.
17. What is Ethology? Mention its objectives.
18. Explain Taxes with an example.
19. Write a note on Habituation.
20. Give an account of signal and sound communication with an example.

**PART – C**

III. Answer any **FOUR** of the following :

**(4 × 10 = 40)**

21. Write notes on :
  - (a) Photoperiodism
  - (b) Bioluminescence
22. Explain structure and function of Pond ecosystem.
23. Write notes on :
  - (a) Parasitism
  - (b) Commensalism
24. Explain causes, ecological effects and control measures of water pollution.
25. List the toxic effects of Lead and Mercury on human health.
26. Explain social organization in Termites.