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V Semester B.Sc. Degree Examination, March - 2021

ZOOLOGY-V**Environmental Biology and Ethology****(CBCS 2020-21 Onwards Scheme)****Time : 3 Hours****Maximum Marks : 70****Instructions to Candidates:**

- 1) Answer should be completely in English.
- 2) Draw neat labelled diagrams wherever necessary.

PART - A**I. Answer the following questions in one word or One sentence each.****(10×1=10)**

1. What is the natural residence of an organism called?
2. Define autecology.
3. What is primary productivity?
4. Name the gases which causes acid rain.
5. Define rodenticide with an example.
6. Expand IPM.
7. List any two applications of remote sensing.
8. Define habituation.
9. Name the daily cycle of activity that occurs over a 24 hours period of time.
10. What is altruism?

PART - B**II. Answer any Five of the following.****(5×3=15)**

11. State the laws of thermodynamics.
12. Write a note on polyclimax theory.
13. Comment on biological magnification.
14. Give any three demerits of wind energy.

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15. Incineration is one of the methods of solid waste management. Justify.
16. Write a note on round dance in honey bees.
17. Write a note on courtship behaviour.

PART - C

III. Answer any **Five** of the following.

(5×5=25)

18. Define ecological niche explain spatial and trophic niche with examples.
19. Write notes on:
 - a) Antibiosis
 - b) Commensalism
20. List the advantages and disadvantages of nuclear reactors.
21. Write short notes on:
 - a) Seed banks
 - b) Zoological gardens
22. Explain kinesis with a suitable example
23. "Termites are social insects". Justify.
24. Citing any two examples explain parental care in amphibians.

PART - D

IV. Answer any **Two** of the following.

(2×10=20)

25. Temperature is an abiotic factor. Discuss.
 26. Write a note on :
 - a) Global Warming
 - b) Consequences of Ozone layer depletion
 27. Discuss in-situ conservation of wild life
 28. What are pheromones? Explain its role in insects.
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