

**B. Sc. DEGREE END SEMESTER EXAMINATION OCT. 2020: JANUARY 2021****SEMESTER –5: ZOOLOGY (CORE COURSE)****COURSE: 15U5CRZOO06: ENVIRONMENTAL BIOLOGY, TOXICOLOGY AND DISASTER MANAGEMENT***(Common for Regular 2018 admission & Improvement 2017/Supplementary 2017/ 2016 /2015 admission)*

Time: Three Hours

Max. Marks: 60

**Instructions:**

1. Time allotted for the examination is 3 Hours
2. Answer **all** questions in part A. Answer **any 6** questions from part B, **any 4** from part C and **any 2** from part D.

**PART A**

1. Name a toxin of biological origin and mention its source.
2. Define autecology.
3. What do you mean by watershed management?
4. What is cryoseism?
5. Define estuary.
6. Comment on red tide.
7. Lotic Ecosystem
8. What is tsunami?

 $(1 \times 8 = 8)$ **PART B**

9. Write note on botulinum toxin.
10. Describe 'Chinese restaurant syndrome'.
11. Explain carbon credit.
12. Give a brief account on IPCC.
13. What are the Mitigation Measures for flood?
14. Mention the ecological significance of mangroves.
15. Elucidate coral reef as an ecosystem.
16. What are the phases of disaster management?

 $(2 \times 6 = 12)$ **PART C**

17. Comment on the toxic actions of Cadmium and Mercury.
18. Explain plastic pollution and its ecological problems.
19. Explain the process of Ozone depletion.
20. Impact of tourism on environment
21. Describe methods used for composting
22. Classify and explain the types of flood.

 $(4 \times 4 = 16)$ **PART D**

23. Describe the various conventional and nonconventional energy sources.
24. Essay on Global Environmental issues.
25. Explain the concept of ecosystem with reference to structure and function.
26. Essay on fresh water ecosystems and add a note on adaptations of organisms inhabiting these Ecosystems.

 $(12 \times 2 = 24)$