

**B. Sc. DEGREE END SEMESTER EXAMINATION OCTOBER/NOVEMBER 2018****SEMESTER –5: ZOOLOGY (CORE COURSE)****COURSE: 15U5CRZOO06: ENVIRONMENTAL BIOLOGY, TOXICOLOGY AND DISASTER MANAGEMENT***(Common for Regular 2016 admission & Supplementary 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. What is Taiga?
2. Define ecology.
3. What are neustons?
4. What do you mean by disaster management?
5. Differentiate between epilimnion and hypolimnion.
6. What is greenhouse effect.
7. What is aflatoxin?.
8. Write notes on Ramsar convention. (1 x 8 = 8)

**PART B**

9. Distinguish between thermosets and thermoplastics.
10. Mention adaptations of lotic animals.
11. List out some mitigatory measures of cyclone.
12. Explain the ecological importance of coral reefs.
13. Write notes on the salient features of deep sea.
14. Explain carbon sequestration.
15. Give a brief account of Kyoto protocol.
16. Mention some advantages of wind energy. (2 x 6 = 12)

**PART C**

17. Explain adaptations of pelagic animals.
18. Briefly describe the grassland biome.
19. Give an account of the various types of plastics.
20. What are the adverse effects of ozone depletion?
21. Describe the different types of landslides.
22. Evaluate the toxicity of e-waste. (4 x 4 = 16)

**PART D**

23. Describe the various types of disasters and their management strategies.
24. Write an essay on different renewable sources of energy.
25. Give an account of land degradation in Kerala.
26. Write a detailed account on fresh water biome. (12 x 2 = 24)