

**B.Sc. DEGREE (C.B.C.S.S) EXAMINATION, OCTOBER 2018****(2016 Admission Regular & 2015 Admission Supplementary)****SEMESTER V - CORE COURSE (ZOOLOGY)****ZY5B06TB - ENVIRONMENTAL BIOLOGY, TOXICOLOGY AND DISASTER****Time : 3 Hours****Maximum Marks : 60****Part A****I. Answer all questions. Each question carries 1 marks****(5x1=5)**

1. What is Perma frost. Where does it occur.
2. Define an Aquifer.
3. Define Biomass energy.
4. Expand IPCC.
5. Define Emergency.

**Part B****II. Answer any Five questions. Each question carries 2 marks****(5x2=10)**

6. What do you know about Tundra biome.
7. Write briefly on Land degradation in Kerala.
8. Write briefly on the characteristics of Mangroves
9. Write notes on solar energy.
10. Differentiate between exhaustible and inexhaustible resources.
11. Write notes on Carbon Sequestration.
12. Explain the role of CFC in Ozone destruction?
13. Define Ecotoxicology.

**Part C****III. Answer any Five questions. Each question carries 5 marks****(5x5=25)**

14. Elaborate on the adaptations seen in deep sea animals.
15. Write briefly on Pelagic zone and the adaptations seen in Pelagic animals
16. Comment on the advantages and limits of solar energy.
17. What is composting? Explain the three major methods used for composting.
18. Write a short note on UNFCCC.
19. Write notes on Global warming and its challenges.
20. Write notes on Mercury and chromium toxicity.
21. Comment on Landslides.

**Part D****IV. Answer any Two questions. Each question carries 10 marks****(2x10=20)**

22. Comment on Intertidal rocky shore and the adaptations seen in animals living in rocky shore.
23. Write an essay on E- waste, types and its management strategies.
24. What is climate change? Comment on its cause, effects and management strategies.
25. Describe any three natural disasters and its mitigation measures.