

**E 3221**

(Pages : 2)

Reg. No.....

Name.....

**B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, OCTOBER 2016**

**Fifth Semester**

**Core Course—ENVIRONMENTAL BIOLOGY, TOXICOLOGY AND DISASTER  
MANAGEMENT**

(Common for B.Sc. Zoology Model I, Model II, B.Sc. Industrial Microbiology and Zoology  
and B.Sc., BT and SP)

[2013 Admission onwards]

Time : Three Hours

Maximum : 60 Marks

**Part A**

*Answer all questions.*

*Each question carries 1 mark.*

1. What is Aflatoxin ?
2. Define Trophic Levels.
3. What are chemoautotrophs ?
4. Define Winter stratification.
5. Why deepsea is described as incomplete ecosystems ?
6. What is carbon credit ?
7. Name two ecofriendly alternatives for plastics.
8. What is Autecology ?

(8 × 1 = 8)

**Part B**

*Answer any six questions.*

*Each question carries 2 marks.*

9. What are the impacts of tourism an environment ?
10. Differentiate between Nekton and Neuston.
11. Classify toxicant based on their occurrence and source.
12. What is the difference between Leutic and Lotic ecosystem ?
13. What are the salient features of evergreen forests ?
14. What are coral reefs ? Explain.
15. Enumerate the reasons for productivity in Eustaries.
16. What are e-wastes ? How does it pollute ecosystem ?

**Turn over**

17. What are the functions of watershed ?
18. What are the types of solid wastes ?

(6 × 2 = 12)

### Part C

*Answer any four questions.  
Each question carries 4 marks.*

19. How does toxicity affects human health ?
20. What is carbon sequestration ? Explain.
21. What is the role of transformers in an ecosystem ?
22. Describe the adaptations of desert animals.
23. Briefly explain what is Kyoto protocol.
24. Explain the physiochemical nature of marine ecosystem.

(4 × 4 = 16)

### Part D

*Answer any two questions.  
Each question carries 12 marks.*

25. Write an essay on the causes of land degradation with special reference to Kerala.
26. Give an account on the sources of plastic pollution in our country. Add notes on the impacts and its control measures.
27. Discuss the threats and conservation aspects of Ramsar sites in Kerala.
28. Describe the causes and effects of global warming. Discuss on its control measures.

(2 × 12 = 24)