

E 2947

(Pages : 2)

Reg. No.....

Name.....

B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, APRIL 2022

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,
B.Sc. [BT and SP])

[2013 to 2016 Admissions]

Time : Three Hours

Maximum Marks : 60

Part A

Answer all questions.

Each question carries 1 mark.

1. What is IPCC ?
2. What are food additives ?
3. Comment on Cyclone.
4. Define an estuary.
5. What is aflatoxin ?
6. What is minamata disease ?
7. Write notes on Ramsar site.
8. What is an intertidal zone ?

(8 × 1 = 8)

Part B

Answer any six questions.

Answer in one paragraph each.

Each question carries 2 marks.

9. What are the main components of disaster management ?
10. What is meant by ecotone and edge effect ?
11. What is meant by carbon sequestration ?
12. Comment on the pelagic adaptations.
13. What is carbon credit ?
14. What is Kyoto Protocol ?
15. Briefly describe watershed management.
16. Why ground water is important ?
17. Comment on ozone depletion.
18. Write an account on toxicants of biological origin.

(6 × 2 = 12)

Turn over

Part C

Answer any four questions.

Answer in one page each.

Each question carries 4 marks.

19. Explain the physico-chemical nature of a lotic ecosystem.
20. Explain the effects of e-wastes on environment and human health.
21. Explain the conventional and non-conventional energy resources.
22. Explain the problems faced by plastic accumulation. Comment on its management strategies.
23. Comment on the importance of conservation of wetlands and mangroves.
24. Comment on different types of forests.

(4 × 4 = 16)

Part D

Answer any two questions.

Answer should not exceed four pages.

Each question carries 12 marks.

25. Write an account on natural disasters and its management.
26. Write an essay on landscape changes.
27. Describe the physico-chemical nature and adaptations of sandy and muddy shores.
28. What are the major threats to freshwater resources of Kerala ? Explain.

(2 × 12 = 24)