

**E 2920**

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Reg. No.....

Name.....

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

**Fifth Semester**

Core Course—ENVIRONMENTAL STUDIES AND ECOTOURISM

(Common for B.Sc. Botany Model I and Model II)

[2013 to 2016 Admissions]

Time : Three Hours

Maximum Marks : 60

**Part A**

*Answer all questions.  
Each question carries 1 mark.*

1. What is MFP ?
2. What is EFL ?
3. What is foodweb ?
4. Define species richness.
5. What is microclimate ?
6. Expand IPCC.
7. Mention the contributions of Madhav Gadgil.
8. List any two ecotourism centres in Kerala.

(8 × 1 = 8)

**Part B**

*Answer any six questions.  
Each question carries 2 marks.*

9. List the benefits and problems of dams.
10. Differentiate between gross and net productivity.
11. What is ecological footprint ?
12. What is ecotone ?
13. Distinguish between Heliophytes and Sciophytes.
14. How does Bhopal gas tragedy occur ?
15. State Water Act, 1974.
16. What is MoEF ?

**Turn over**

17. List any four components of ecotourism.
18. What is Xerosere ?

(6 × 2 = 12)

### Part C

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

19. Comment on 'homeostasis in ecosystem'.
20. Describe the process of ecological succession.
21. Explain the effect of climatic factors on plant growth.
22. Enumerate the adaptations of mangroves to the environment.
23. Describe causes and effect of ground water pollution.
24. Compare biological and historical ecotourism resources.

(4 × 4 = 16)

### Part D

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

25. Give a brief account on causes of food shortage. Add a note on world food problems.
26. With a schematic representation explain Sulphur cycle.
27. Briefly explain sources and impacts of nuclear hazards.
28. Critically analyze negative and positive impacts of biodiversity loss.

(2 × 12 = 24)