



MAR IVANIOS COLLEGE (AUTONOMOUS)
THIRUVANANTHAPURAM

Reg. No. :.....

Name :.....

Third Semester Career Related B.Sc. Degree Examination, November 2016

First Degree Programme under CBCSS

Core Course – IV: (for Botany and Biotechnology)

AUBB342: Environmental Studies and Phytogeography

(for 2014 Admissions – Improvement Only)

Time: 3 Hours

Max. Marks : 80

SECTION – A

Answer ALL the following each in a word or as short notes.

1. Name the heterogeneous group of an ecosystem.
2. Objective of 'Swavalamban' Programme.
3. Name the first stage in Hydrosere.
4. Pyrolysis of solid wastes.
5. Troposphere.
6. Deforestation.
7. What is the logo of Eco – Mark of consumer products in India ?
8. Endangered species.
9. Ecological Niche.
10. Halophytes.

(10 × 1 = 10 Marks)

SECTION – B

Answer any EIGHT questions, not exceeding one paragraph.

11. Write a brief account on the aesthetic value of forests.
12. Explain Chipko movement.
13. What is global warming ?
14. Briefly describe Ecological indicators.

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15. Define Acid rain.
16. Explain Eutrophication.
17. Significance of phytogeography.
18. Write the adaptations of parasites.
19. Explain tropical rain forest.
20. What are ecological pyramids ?
21. Reasons for displacement of people.
22. Briefly describe Ecesis.

(8 × 2 = 16 Marks)

SECTION – C

Short essay type : Answer any SIX questions.

23. Explain sedge meadow stage.
24. What is food web ?
25. Give an account on the role of NGO's.
26. What are the major causes of Landslides ?
27. Write an account on conventional energy resources.
28. What are the importance of Water sheds ?
29. Write a note on environmental ethics.
30. Define NACP and write its objectives.
31. Give an account on *In situ* conservation.

(6 × 4 = 24 Marks)

SECTION – D

Long essay type : Answer any TWO questions.

32. Define ecological succession and write an account on the general process of ecological succession. Write the term and describe the process of formation of forest in a rocky substratum.
33. What is population explosion ? Explain its causes and impacts.
34. Explain Biodiversity with special reference to its conservation and write notes on Hot Spots of biodiversity. Name two Hot Spots in India.
35. Write a detailed account on Water pollution. What are the causes and control measures of water pollution ?

(2 × 15 = 30 Marks)

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