

**B.SC DEGREE END SEMESTER EXAMINATION OCTOBER 2016**  
**SEMESTER - 5: BOTANY (CORE COURSE)**  
**COURSE: U5CRBOT6 - ENVIRONMENTAL SCIENCE AND ECOTOURISM**

Time: Three Hours

Max. Marks: 60

**PART A**

I. Answer **ALL** questions; each question carries ONE mark. Write short notes on the following:

1. Abiotic components.
2. Endemic.
3. Natality.
4. NEERI.
5. Pedology.
6. Smog.
7. Vermicompost.
8. Ecesis.

(1 x 8 = 8)

**PART B**

II. Answer **ANY SIX** questions; each question carries TWO marks.

9. What are non renewable resources?
10. What is Mina mata disease?
11. What is xerosere?
12. Briefly discuss EIA.
13. What is acid rain?
14. Name the major causes of air pollution
15. Name two NGO's in India engaged in biological conservation activities.
16. What is eutrophication?
17. Schematically represent a food web.
18. What is the significance of Rio Earth summit?

(2 x 6 = 12)

**PART C**

III. Answer **ANY FOUR** questions; each question carries FOUR marks.

19. Briefly discuss the water management strategies that can be adapted in Kerala.
20. Write short notes on ecological associations.
21. Briefly discuss ecological Pyramids.
22. Schematically represent the nitrogen cycle.
23. Briefly discuss Hydrosere.
24. Briefly explain the threats to the biodiversity.

(4 x 4 = 16)

## **PART D**

IV. Answer **ANY TWO** questions; each question carries FOUR marks.

25. What is meant by waste management? Discuss the various management practices that can be adopted in an urban society.

26. Discuss the various sources of water pollution. Add a note on the control measures that can be practiced to limit the effects of it.

27. Write an essay on ecotourism in the state of Kerala.

28. What do you mean by biodiversity? Discuss the benefits and the causes of loss of biodiversity?

(12x 2 = 24)