

B.Sc. DEGREE END SEMESTER EXAMINATION OCTOBER 2017**SEMESTER –5: BOTANY (CORE COURSE)****COURSE: 15U5CRBOT06: ENVIRONMENTAL SCIENCE AND ECOTOURISM***(For Regular 2015 admission)*

Time: Three Hours

Max. Marks: 60

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

1. Food web
2. What is EFL
3. Homeostasis
4. Mortality
5. Ecological niche
6. Vernalization
7. Sound pollution
8. Key stone species

(1 x 8 = 8)

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

9. Write a note on Ecotourism centres in Kerala.
10. What is productivity?
11. Differentiate ecotone and edge effect with example.
12. Explain *El-nino* and *La-nina*.
13. What is meant by environmental Impact assessment?
14. Explain Red Data Book.
15. What are the adaptations of Xerophytes?
16. What is Minamata disease?
17. Write a note on Eutrophication.
18. Briefly give an account of mangrove ecosystems.

(2 x 6 = 12)

PART CIII. Answer **ANY FOUR** questions; each question carries FOUR marks.

19. Effect of air pollution in plants and animals.
20. Write a note on the environmental laws in India.
21. What are the factors effecting climate change?
22. Explain hot spot in the world and comment on Western Ghats as hot spot.
23. What is Biogeochemical cycle and explain Nitrogen cycle.
24. Write a note on the positive and negative Biotic interactions.

(4 x 4 = 16)

PART D

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

25. What is ecological succession? Explain the process involved in ecological succession with one example

OR

26. Give a detailed account of environmental pollution and its management.

27. Explain population ecology and what are the factors effecting population ecology.

OR

28. Explain Biodiversity with different levels. What are the impact of biodiversity threat on ecosystem

(12 x 2 = 24)
