

B.Sc. DEGREE END SEMESTER EXAMINATION OCTOBER/NOVEMBER 2018**SEMESTER –5: BOTANY (CORE COURSE)****COURSE: 15U5CRBOT06: ENVIRONMENTAL SCIENCE AND ECOTOURISM***(Common for Regular 2016 admission & Supplementary 2015 admission)*

Time: Three Hours

Max. Marks: 60

PART AI. Answer **ALL** questions; each question carries **1** mark. Write short notes on the following

1. What is IUCN
2. Name the Flagship species of Silent Valley.
3. EIA
4. Natality
5. Ecotone
6. Photoperiodism
7. Eutrophication
8. Key stone species

(1 x 8 = 8)

PART BII. Answer **ANY SIX** questions; each question carries **2** marks.

9. Write a note on National Parks of Kerala.
10. Give an account on ecological pyramids.
11. Explain briefly on Bhopal tragedy.
12. Explain Green house effect.
13. Explain Rio Earth Summit and Kyoto protocol,
14. Comment on activities of MoEF.
15. Sources and impact of Nuclear hazards.
16. What is Minamata disease?
17. What are the causes of Ozone layer depletion.
18. Give a brief account on estuarine ecosystems.

(2 x 6 = 12)

PART CIII. Answer **ANY FOUR** questions; each question carries **4** marks.

19. Write a note on the positive and negative Biotic interactions
20. What is air pollution and what are the different types of pollutants?

21. Briefly explain the impact of climate change in present day scenario.
22. What are the causes which lead to extinction of species?
23. Briefly explain the productivity in an ecosystem.
24. Briefly explain the contribution of Madhav Gadgil. (4 x 4 = 16)

PART D

IV. Answer **ANY TWO** questions; each question carries **12** marks.

25. Explain the various environmental laws in India.

OR

26. What is pollution. Explain Sound pollution, its causes and impact of sound pollution

27. Explain the various forms and types of ecotourism in Kerala. Explain the ecotourism centers in Kerala.

OR

28. Explain Biogeochemical cycle explaining nitrogen and carbon cycle. (12 x 2 = 24)
