

B.Sc. DEGREE END SEMESTER EXAMINATION - OCTOBER 2019**SEMESTER –5: BOTANY (CORE COURSE)****COURSE: 15U5CRBOT06: ENVIRONMENTAL SCIENCE AND ECOTOURISM**

(Common for Regular 2017 admission & Improvement 2016/Supplementary 2016 /2015 admission)

Time: Three Hours

Max. Marks: 60

PART A

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

1. Ecotone
2. Gross Primary Productivity
3. Food web
4. Smog
5. CFC
6. O- horizon
7. Ecess
8. Earth summit

(1 x 8 = 8)

PART B

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

9. What is Joint Forest Management
10. What is the importance of Wildlife Act, 1972
11. What do you mean by Umbrella species? Give examples?
12. Explain briefly Chipko movemet.
13. What is Acid rain
14. What do you mean by vernalisation?
15. Write a note on Minamata disease?
16. What is NEERI?
17. What are hotspots?
18. What is Vermicomposting?

(2 x 6 = 12)

PART C

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

19. Write a note on Ecological pyramids?
20. Comment on the contributions of Madhav Gadgil in the field of ecology?
21. Explain Greenhouse Effect?
22. Write notes on the benefits and problems associated with Dam construction?
23. Briefly explain Thermal pollution?
24. Explain the causes of biodiversity loss?

(4 x 4 = 16)

PART D

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

25. What is plant succession. Explain the various steps occurring in Xerosere

OR

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

27. Describe the morphological and anatomical adaptations of Hydrophytes

OR

28. Give an account of biogeochemical cycles with special reference to Carbon cycle

(12 x 2 = 24)
