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Name :

Reg. No:.....

THIRD SEMESTER M.Sc DEGREE EXAMINATION DECEMBER 2015
(CUCSS)
Environmental Science
ES 3C 13 BIODIVERSITY AND CONSERVATION
(2014 Admission)

Time : Three Hours

Maximum : 36 Weightage

Part I

Short Answers (Answer all 14 questions)

14X1 = 14 weightage

1. Define coevolution.
2. What are potentially renewable resources?
3. What is Ramsar convention?
4. What are peat lands?
5. Define alpha diversity.
6. Define sub-species.
7. Define species evenness.
8. Define biopiracy.
9. What is gene bank?
10. What is CITES?
11. Define vulnerable species.
12. What is CBD?
13. What is ecosystem diversity?
14. What are biodiversity hotspots?

Part II

Short essays (Answer any seven of the following)

7X2 = 14 weightage

15. Describe the process of organic evolution through geologic time scales.
16. Explain the versatility and diversity of microorganisms.
17. What are the benefits from biodiversity?
18. Describe the mangrove diversity in India.
19. Explain habitat loss as a major threat to biodiversity.
20. What are the problems due to inbreeding?
21. List and explain the national programmes for biodiversity conservation.
22. Describe the traditional methods for conservation of biodiversity.
23. Explain the importance of homestead gardens in biodiversity conservation.
24. Define ecotourism. Explain the role of ecotourism in protection of biodiversity.

Part III

Essay type (Answer any two questions)

2X4 = 8 weightage

25. Explain the role of WWF and WCU in biodiversity conservation.
26. Explain the various *in situ* and *ex situ* methods for biodiversity conservation.
27. Describe the various threats to biodiversity with special reference to human interventions.
28. What are biomes? Describe the characteristics of major terrestrial biomes.