

15P316

(Pages:2)

Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2016

(CUCSS - PG)

(Environmental Science)

CC15P ES3 C13 - BIODIVERSITY AND CONSERVATION

(2015 Admission)

Time : Three Hours

Maximum : 36 Weightage

I Answer *all* questions. Each question carries 1 weightage:

1. Gamma biodiversity
2. Coral reefs
3. Bio-prospecting
4. IPRs
5. Exotic species
6. Viable population
7. Germ plasm
8. Gene bank
9. Ecotourism
10. CITES
11. National park
12. *in vitro* conservation
13. Tundra ecosystem
14. Biome

(14 x 1 = 14 weightage)

II. Answer *any seven* questions. Each question carries 2 weightage:

15. Write down the ecological concepts related to natural resources.
16. Discuss the significance of wetland.
17. What is biodiversity? Explain the direct and indirect benefits of biodiversity.
18. Enumerate the importance of microbial diversity.
19. Explain some natural conservation movements.
20. Describe savanna ecosystem.
21. Explain the ecosystem services of forest.
22. Discuss major threats to biodiversity.
23. Write a note on the biodiversity hotspots and their characteristics.
24. Explain the gradients of biodiversity.

(7 x 2 = 14 weightage)

III. Write an essay on *any two* of the following. Each question carries 4 weightage:

25. What are the salient features of the wildlife protection act.
26. Discuss the renewable sources of energy.
27. Write a detailed note on IUCN categories.
28. Write down the *Ex-situ* and *In-situ* biodiversity conservation methods.

(2 x 4 = 8 weightage)
