

17P325

(Pages: 2)

Name:

Reg. No.

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(Regular/Supplementary/Improvement)

(CUCSS - PG)

CC15P ES3 C13 - BIODIVERSITY AND CONSERVATION

(Environmental Science)

(2015 Admission onwards)

Time : Three Hours

Maximum : 36 Weightage

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

1. What are Preservation plots?
2. Define *metapopulation*.
3. Define Intellectual Property.
4. Explain Geothermal energy.
5. Define Perpetual Resources.
6. List out two traditional practices of conservation of biodiversity.
7. Define Minimum Viable Population (MVP).
8. Explain the salient features of *cenozoic era*.
9. List out the causes for genetic bottlenecks.
10. Differentiate the terms 'sub species' and 'race'.
11. Write a note on Hyderabad conference (2012).
12. Explain intrinsic values of Biodiversity.
13. Write a list on the bird sanctuaries names of Kerala.
14. Define insular biogeography.

(14 x 1 = 14 weightage)

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

15. Write a note on the salient features of Wild Life Protection Act (1972).
16. Briefly explain about the Aesthetic Values of Biodiversity.
17. Write a note on CITES and its achievements.
18. What are Biodiversity Hotspots? Write a note on the Biodiversity Hotspots of India.
19. Write a note on the classification of wetlands.
20. Explain alpha and gamma biodiversity, citing suitable examples.
21. Write a note on coral reef biodiversity.
22. Explain a model Biosphere Reserve with a suitable diagram.
23. Write a note on the threatened plants and animals of India.

24. Explain various threats leading to the loss of Biodiversity.

(7 x 2 = 14 weightage)

III. Answer any *two* questions. Each question carries 4 weightage:

25. Write an essay on ecosystem services, citing suitable examples.

26. Define ex situ conservation. Briefly explain various measures of ex situ conservation.

27. Briefly explain IUCN Red List Categories, citing examples.

28. Write a note on various International and National programmes for Biodiversity Conservation.

(2 x 4 = 8 weightage)
