18P325 (Pages: 2) Name……………………...

Reg. No…………………..

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2019
(Regular/Supplementary/Improvement)

(CUCSS-PG)

(Environmental Science)

CC15P ES3 C13 - BIODIVERSITY AND CONSERVATION
(2015 Admission onwards)

Time : Three Hours   Maximum : 36 Weightage

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

   1. Define Geological Time Scale.

   2. What is a Metapopulation?

   3. List out two indirect benefits of Biodiversity.

   4. Differentiate between Breeds and Varieties.

   5. What is Cryopreservation?

   6. What is Homested Garden?

   7. Explain ecosystem service with an example.

   8. What are IPRs?

   9. Explain Allopatric speciation.

   10. Define inbreeding depression.

   11. Define Field Gene Bank.

   12. Explain Bio-prospecting, with an example.

   13. Define Biodiversity Hotspot.

   14. List out two conservation movements in India.

(14 x 1 = 14 Weightage)

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

   15. Write a note on Wetland Biodiversity.

   16. Explain Biodiversity Act.

   17. Write down the salient features of Insular Biodiversity.

   18. Briefly discuss the stipulations in Wildlife Protection Act, 1972.

   19. Differentiate between species richness and species evenness.

   20. Explain renewable and non-renewable resources, citing examples.

   21. Briefly explain the constraints in Wild life protection in India.

   22. Explain IUCN categories of threat, citing examples.

   23. Differentiate Alpha, Beta and Gamma biodiversity.

   24. Explain the ecological adaptations of Mangroves.

(7 x 2 = 14 Weightage)

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

25. Explain various threats to Biodiversity. Suggest methods to overcome them.

26. What is in situ conservation? Briefly explain various methods of Biodiversity conservation.

27. List out various International organizations involved in Biodiversity conservation. Briefly explain about their activities.

28. What are biomes? How are they classified? Comment on their salient features.

(2 x 4 = 8 Weightage)

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