

20P319

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Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2021

(CBCSS-PG)

(Regular/Supplementary/Improvement)

CC19P ESW3 C15 - BIODIVERSITY AND CONSERVATION

(Environmental Science)

(2019 Admission onwards)

Time: Three Hours

Maximum: 30 Weightage

I. Answer any *four* of the following.

1. Give a list of any four ecosystem services provided by nature.
2. What is meant by bioprospecting?
3. What are exotic species? Give any two examples.
4. Expand IUCN. What is its role in biodiversity conservation?
5. Define 'metapopulation'.
6. Differentiate between *in-situ* and *ex-situ* conservation.
7. Explain the three levels of biodiversity.

(4 × 2 = 8 Weightage)

II. Answer any *four* of the following.

8. Describe briefly community biodiversity.
9. Explain biodiversity hotspots and their characteristics.
10. Give an account on the biodiversity in a mangrove ecosystem.
11. Describe any three national programmes for biodiversity conservation.
12. Write short notes on ecologically relevant parameters in biodiversity conservation.
13. Explain the significance of Red Data Book in conservation.
14. Describe briefly the salient features of Wildlife Protection Act, 1972.

(4 × 3 = 12 Weightage)

III. Answer any *two* of the following.

15. Explain the various benefits obtained from biodiversity.
16. Discuss the various threats to biodiversity in India.
17. Describe the reproductive parameters in biodiversity conservation.
18. Explain different categories of IUCN Red Data Book with examples.

(2 × 5 = 10 Weightage)
