

19P319

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Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2020

(CUCSS-PG)

CC19P ESW3 C15 - BIODIVERSITY AND CONSERVATION

(Environmental Science)

(2019 Admission Regular)

Time : Three Hours

Maximum : 30 Weightage

I. Answer any **four** of the following. Each question carries 2 weightage.

1. Why wetlands are often referred to as 'kidneys of the earth'?
2. Write down the indirect benefits provided by biodiversity.
3. Mention the significance of IPR in biodiversity conservation.
4. What is Red Data Book?
5. Give an account on the categories of species based on IUCN classification.
6. Define the term 'viable population'.
7. Expand CITES. What is its role in biodiversity conservation?

(4 x 2 = 8 Weightage)

II. Answer any **four** of the following. Each question carries 3 weightage.

8. Write briefly on the ecosystem services provided by forest ecosystem.
9. Explain genetic diversity with examples.
10. Comment on the reproductive parameters in conservation.
11. Describe briefly the salient features of Biodiversity Act.
12. Write short notes on the various reproductive parameters in conservation.
13. Discuss *in-vitro* conservation methods.
14. Give an account of WWF and TRAFFIC.

(4 x 3 = 12 Weightage)

III. Answer any **two** of the following. Each question carries 5 weightage.

15. Describe the various levels of biodiversity.
16. Discuss on the topic 'Human intervention and biodiversity loss'.
17. Explain the various International and National Conservation movements meant to protect biodiversity.
18. Write in detail *in-situ* and *ex-situ* conservation methods.

(2 x 5 = 10 Weightage)
