

D 43551

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Name.....

Reg. No.....

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, JUNE 2018

(CUCSS)

Botany

BO 02CT 07 – PLANT ECOLOGY, CONSERVATION BIOLOGY, PHYTOGEOGRAPHY  
AND FOREST BOTANY

(2010 Admissions)

Time : Three Hours

Maximum : 36 Weightage

I. Answer the questions very briefly :

1. What is primary productivity?
2. Define Natality.
3. What are ecads?
4. What is meant by hot spot of biodiversity?
5. What are gene banks?
6. Define Biosphere.
7. What is meant by vulnerable species?
8. What is biotic potential?
9. What is the feature of clumped dispersion?
10. What is meant by temperate montane forests?
11. What are the features of *El Nino* phenomenon?
12. Explain MAB.
13. What is meant by circum polar distribution?
14. Define crude population density.

(14 × 1 = 14 weightage)

II. Answer any *seven* questions in not more than 100 words :

15. Give an account on Agroforestry.
16. Write short note on energy flow in ecosystems.
17. Explain the features of fresh water ecosystems.
18. Give an account on the theory of land bridges.

Turn over

19. Describe the consequences of industrialization on biodiversity.
20. Describe the sources of water pollution.
21. Give an account on red data book and its importance.
22. Explain deep ecology movement and ecosophy.
23. Write an account on MFP.
24. Write a brief account on UNEP.

(7 × 2 = 14 weightage)

III. Answer any *two* questions in 300 words each :

25. Give an account on the various threats to biodiversity.
26. Write an account on the sustainable utilization of natural resources.
27. Explain the characteristics of population.
28. Explain the causes and effects of water pollution.

(2 × 4 = 8 weightage)