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(Pages : 2)

Name.....

Reg. No.....

SECOND SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)  
EXAMINATION, APRIL 2022

(CBCSS)

Botany

BOT 2C 06—PLANT ECOLOGY, CONSERVATION BIOLOGY, PHYTOGEOGRAPHY AND  
FOREST BOTANY

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

General Instructions

1. In cases where choices are provided, students can attend all questions in each section.
2. The minimum number of questions to be attended from the Section / Part shall remain the same.
3. The instruction if any, to attend a minimum number of questions from each sub section / sub part / sub division may be ignored.
4. There will be an overall ceiling for each Section / Part that is equivalent to the maximum weightage of the Section / Part.

Part A

Answer any four questions.

1. Comment on rare and out of danger red list categories.
2. Write a short account on air pollutants and its effects on man. What are the control measures?
3. Explain the theory of glaciations.
4. What are the ecological features of marine environment?
5. Differentiate between continuous and discontinuous types of plant distribution.
6. Write notes on remote sensing.
7. What are the impacts of industrialization?

(4 × 2 = 8 weightage)

Turn over

**Part B**

*Answer any four questions.*

8. Describe the habitat conditions of a desert biome. How it differs from a forest or grassland biome.
9. What are the causes of extinction?
10. Explain the theory of land bridges with examples. Why is it important?
11. What is population density? Explain the factors influencing the population density.
12. Describe the different forest types in India.
13. Explain *El Nino* and *La Nina*.
14. Define primary production. Write a brief account of net primary productivity of different ecosystems.

(4 × 3 = 12 weight)

**Part C**

*Answer any two questions.*

15. What is social forestry? Explain the scope, schemes and priorities of social forestry with special reference to India.
16. Explain pollution. Give an account of various kinds of pollution and its abatement.
17. Define phytochoria. Give an account of the phytogeographical regions of India.
18. Give an account of the major and minor forest products with special reference to Kerala.

(2 × 5 = 10 weight)