

QP Code: P25B020

Reg. No :

Name :

ST MARY'S COLLEGE (AUTONOMOUS), THRISSUR-20

II SEMESTER (CBCSS-PG) DEGREE EXAMINATION, MARCH 2025

M Sc Botany

**BOT2C06 : PLANT ECOLOGY CONSERVATION BIOLOGY PHYTOGEOGRAPHY
AND FOREST BOTANY**

2024 Admission Onwards

Time:3 Hours

Maximum Weightage:30

Part A

*Short answer type questions: Answer **any four** questions. Weightage 2 for each question.
(4x2 = 8 Weightage)*

1. List out minor forest products in Kerala. [BTL1]
2. What are national parks? Give an example. [BTL1]
3. What are endemic species? Name two endemic plants in India. [BTL2]
4. Compare the different zones of marine community. [BTL4]
5. Differentiate in-situ and ex-situ conservation. [BTL4]
6. Analyse the features of climax community. [BTL4]
7. Differentiate between temperate deciduous forest and temperate evergreen forest. [BTL4]

Part B

*Short essay-type questions: Answer **any four** questions. Weightage 3 for each question.
(4x3 = 12 Weightage)*

8. Explain briefly ozone hole and its threat to Earth. [BTL5]
9. Describe how human interference causes threats to environment. [BTL4]
10. Determine the various energy models of productivity. [BTL3]
11. Demonstrate the role of NGOs in environmental awareness. [BTL3]
12. Discuss remote sensing along with its application. [BTL3]
13. Compare the terms biotic potential and carrying capacity. [BTL4]
14. Evaluate the role of various organisations in afforestation programmes. [BTL5]

Turn Over

Part C

*Essay-type questions: Answer **any two** questions. Weightage 5 for each question.
(2x5 = 10 Weightage)*

15. Explain the theories of discontinuous distribution. [BTL1]
16. Describe the sources of land pollution. What are the methods to prevent and control land pollution? [BTL2]
17. Define phytochoria. Give an account of the phytogeographical regions of India. [BTL3]
18. Analyse Deep Ecology concept. [BTL4]
