

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2023  
(Second Semester)

Branch – BOTANY

**MAJOR ELECTIVE COURSE – I: FOREST RESOURCE MANAGEMENT**

Time: Three Hours

Maximum: 50 Marks

**SECTION-A (5 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- 1 Andaman and Nicobar Islands represent
  - (i) Tropical evergreen Forest
  - (ii) Deciduous Forest
  - (iii) Coniferous Forest
  - (iv) Temperate Forest
- 2 Epiphytes differ from parasites on this property
  - (i) Increase of adults by birth
  - (ii) Loss of larvae due to environment
  - (iii) Increase of number of eggs
  - (iv) Loss of adults through migration
- 3 The non-timber forest product is
  - (i) Bamboo
  - (ii) Pulb wood
  - (iii) Rose Wood
  - (iv) Resins
- 4 Growing of Timber wood in forest is known as
  - (i) Olericulture
  - (ii) Floriculture
  - (iii) Silviculture
  - (iv) Horticulture
- 5 Replanting trees in an affected area of the forest is known as
  - (i) Afforestation
  - (ii) Reforestation
  - (iii) Deforestation
  - (iv) Silviculture

**SECTION - B (15 Marks)**

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Prepare a list of types of forests in Tamil Nadu.  
OR  
b Assume the Monoculture system of forest regeneration.
- 7 a State the impact of various agents to maintain forest resources.  
OR  
b Highlight the significance of soil condition in favour of biotic potential of a forest.
- 8 a Enumerate the non-timber products of a forest.  
OR  
b Determine the adaptive features of bamboos to show the richness of a forest ecosystem.
- 9 a Explain the practice of thinning in forest management.  
OR  
b Narrate the system of silviculture in social forestry.
- 10 a Justify the role of Afforestation.  
OR  
b Discuss about participatory approach of forest management.

Cont...

**SECTION -C (30 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Examine different types of forests in south India.  
OR  
b Discuss the characteristic features of *ex situ* conservation.
- 12 a Determine how various climatic factors influence the productive nature of a forest?  
OR  
b Discuss various components of a typical evergreen forest.
- 13 a Assess how gums and resins add value to a forest economic productivity.  
OR  
b Analyse the lac products obtained from a forest. Add a note on their significance in improving socio economic status of an associated community.
- 14 a Explain the measures to regenerate a forest.  
OR  
b Justify why the coppice system is helpful to stabilize the wealth of a community.
- 15 a Trace the hierarchy of forest administrative wings and their roles in forest management.  
OR  
b What is Joint Forest Management? Explain how this system work for the benefit of forest and the community involved.

Z-Z-Z

END