

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2025
(Second Semester)

Branch- BOTANY

MAJOR ELECTIVE COURSE-I FOREST RESOURCE MANAGEMENT

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	What is the full form of IUCN? (i) International Union for Conservation of Nature and Natural Resources (ii) Indian Union and the Committee of Nature (iii) International Union for Conservation of Nature (iv) Indian Union and the Committee of Nature and Natural Resources	K1	CO1
	2	The forest in Sundarbans is also called (i) Scrub jungle (ii) Mangrove (iii) Deciduous forest (iv) Montane forest	K2	CO1
2	3	Which of the following is a biotic factor that can affect the growth of epiphytes in a forest? (i) Air temperature (ii) Amount of rainfall (iii) Presence of competing plant species (iv) Soil texture	K1	CO2
	4	In what way do forests support biodiversity? (i) They provide a range of habitats and food sources for various species (ii) They limit the number of species by competing with other habitats (iii) They only support a few specific species, mostly insects (iv) They contribute to biodiversity only through the presence of large trees	K2	CO2
3	5	Which of the following is an example of an NTFP? (i) Timber (ii) Firewood (iii) Mushrooms (iv) Plywood	K1	CO3
	6	Which product is derived from the latex of rubber trees? (i) Gum (ii) Rubber (iii) Resin (iv) Essential oils	K2	CO3
4	7	What is the primary goal of tending operations in a forest? (i) To harvest mature trees only (ii) To improve the growth and health of trees and stand structure (iii) To clear all vegetation from the forest floor (iv) To plant trees in a specific pattern	K1	CO4
	8	When mature crop is removed by clear felling and regeneration is entirely by vegetative methods. (i) Coppice system (ii) Shelter wood system (iii) Clear felling system (iv) Thinning	K2	CO4
5	9	Which one of the following is a branch of forestry? (i) Protection Forestry (ii) Deforestation (iii) Forest Management (iv) Restricted Forestry	K1	CO5
	10	What is the full form of JFM with related to Forest Management? (i) Joint Forest Management (ii) Junior Forest Management (iii) Jury Forest Management (iv) Jharkhand Forest Management	K2	CO5

Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Distinguish features of Tropical forestry and its types.	K4	CO1
		(OR)		
	11.b.	Explain the multipurpose forest and its significance.		
2	12.a.	List out the importance of forest vegetation and its status.	K4	CO2
		(OR)		
	12.b.	Analyze the role of epiphytes, climbers and weeds in forest.		
3	13.a.	Discover some important timber yielding species and its significance.	K4	CO3
		(OR)		
	13.b.	Analyze the economical importance of Gums, Resins and Rubbers.		
4	14.a.	Justify the forest resource management and its uses.	K5	CO4
		(OR)		
	14.b.	Explain selection and coppice system in silviculture.		
5	15.a.	Compare afforestation and reforestation program with suitable examples.	K4	CO5
		(OR)		
	15.b.	Simplify the concept for forest management and its significance.		

SECTION - C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Analyze the different types of forest found in Tamilnadu.	K4	CO1
2	17	Discover the role of Abiotic and biotic factors determining the forest vegetation.	K4	CO2
3	18	Analyze the collection, identification, uses and marketing of Lac.	K4	CO3
4	19	Explain the tending operation in forestry in detail.	K5	CO4
5	20	Explain the joint forest management in detail.	K5	CO5

Z-Z-Z END