

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	Which of the following is an abiotic component of a forest ecosystem? (i) Bacteria (ii) Trees (iii) Soil (iv) Fungi	K1	CO1
	2	What does IUCN stand for? (i) Indian Union for Conservation of Nature (ii) International Union for Conservation of Nature (iii) International Union for Chemical Nomenclature (iv) International Union for Conservation of Nutrients	K2	CO1
2	3	Forest soil is generally acidic or alkaline? (i) Acidic (ii) Alkaline (iii) Neutral (iv) Saline	K1	CO2
	4	Which of the following tree species is a strong coppicer? (i) Pine (ii) Eucalyptus (iii) Deodar (iv) Teak	K2	CO2
3	5	Which of the following is NOT a forest product? (i) Gum (ii) Plywood (iii) Kerosene (iv) Sealing wax	K1	CO3
	6	The lac insect rearing for the commercial production of the lac is known as (i) Apiculture (ii) Prawn culture (iii) Lac culture (iv) Cell culture	K2	CO3
4	7	What is the main purpose of social forestry? (i) Commercial logging (ii) Management of forests for the benefit of local communities (iii) Mining in forest areas (iv) Exclusively protecting wildlife	K1	CO4
	8	Silviculture is best defined as: (i) The art and science of cultivating forest trees (ii) The study of forest ecosystems (iii) The removal of all trees in a forest (iv) The planting of trees in agricultural fields	K2	CO4
5	9	What is the process of removal of forest cover of an area called? (i) Afforestation (ii) Deforestation (iii) Pollution (iv) Greenhouse effect	K1	CO5
	10	Which of these is a natural way of reforestation? (i) Seed dispersal by animals (ii) Forest fires (iii) Land clearing (iv) Logging	K2	CO5

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Module No.	Question No.	Question	K Level	CO
1	11.a.	How the categories various types of natural forests found in India, highlighting their climatic conditions and characteristics.	K2	CO1
		(OR)		
	11.b.	What are they Human impact on Forests?		
2	12.a.	Why is it important to conserve forests? Suggest measures to protect them.	K2	CO2
		(OR)		
	12.b.	Compare the Physical and Chemical properties of Soil.		
3	13.a.	Elaborate the Uses of Honey, gums, resins and fibers and its Values.	K2	CO3
		(OR)		
	13.b.	Explain the Scope of Medicinal Plants.		
4	14.a.	What are the main methods of natural regeneration?	K3	CO4
		(OR)		
	14.b.	Explain the Coppice system and its application.		
5	15.a.	Discuss about Sustainable Forest Management.	K3	CO5
		(OR)		
	15.b.	What are the role of various forestry wings.		

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	Explain the IUCN red listed categories of forest tree species.	K5	CO1
2	17	List out the classification of forest soils.	K2	CO2
3	18	Make the Uses and marketing of Lac.	K3	CO3
4	19	Compare the following i) Weeding ii) Cleaning iii) Climber cutting	K4	CO4
5	20	Explain about role and functions of the various forestry wings.	K5	CO5

Z-Z-Z

END