

Reg. No.:



28/11/25



W7121

Name:

University of Kerala

Third Semester FYUGP Degree Examination, November 2025

Discipline Specific Elective

BOTANY

UK3DSEBOT202 - Forestry

Academic Level: 200-299

2024 Admission

Library
Fyayp

Time: 2 Hours(120 Mins)

Max. Marks: 56

Part A.6 Marks:Time 5 Minutes.(Cognitive Level :Remember(RE)/Understand(UN)) Objective Type.1 mark each,
Answer all questions

Qn No.	Question	CL	CO
1	What is the practice of planting trees on agricultural land called?	RE	4
2	Name any two NFTP.	RE	4
3	Explain the ecological and cultural importance of sacred groves in India.	UN	4
4	Explain the difference between natural and artificial regeneration of forests.	UN	2
5	Distinguish between afforestation and reforestation	UN	1
6	Cite two examples of multipurpose trees.	UN	3

Part B.10 Marks.Time:20 Minutes (Cognitive Level:Understand(UN)/Apply(AP))Two-three sentences.2 marks each.Answer all questions

Qn No.	Question	CL	CO
7	Explain the difference between tropical and temperate forests	UN	3
8	Describe the importance of joint forest management in India.	UN	3
9	Demonstrate how coppice regeneration can be used for sustainable timber production.	AP	4
10	Discover steps to engage local communities in the planning and implementation process of community-based forestry project in a degraded forest area?	AP	5
11	A place receives moderate rainfall with distinct summer and winter seasons. Explain the type of forest in that area	AP	1

Part C.16 Marks. Time: 35 Minutes. (Cognitive Level : Apply (AP) / Analyse (AN)) Short Answer. 4 marks each, Answer all 4 questions, choosing among options * within each question

Qn No.	Question	CL	CO
12	A) Employ the concept of social forestry to explain how it can help to improve the livelihood of rural communities. OR B) Explain how forests can be made to promote recreational, educational and economic benefits?	AP	4, 2
13	A) Discuss the silvicultural practices followed for <i>Tectona grandis</i> and <i>Eucalyptus indica</i> OR B) Describe an application of silvicultural techniques for improving the growth and quality of <i>Santalum album</i> (sandalwood) in plantation forestry.	AP	2, 2
14	A) Analyse how coppice regeneration can be used for sustainable timber production. OR B) 14. Illustrate the methods of natural regeneration of forest	AN	2, 2
15	A) Examine the economic and ecological benefits of integrating trees with agricultural crops. OR B) Analyse the benefits and challenges of avenue plantations in urban areas	AN	3, 3

Part D.24 Marks. Time: 60 Minutes. (Cognitive Level : Analyse (AN) / Evaluate (EV) / Create (CR)) Long Answer 6 Marks each. Answer all 4 questions choosing among options * within each question

Qn No.	Question	CL	CO
16	A) Examine how Joint Forest Management helps to save forests and the local people. OR B)	AN	4, 6

Qn No.	Question	CL	CO
	Analyse the protective, productive, and social functions of forests with suitable examples.		
17	A) Critically evaluate the success of Joint Forest Management (JFM) programmes in India. OR B) Evaluate the impact of monoculture versus mixed-species plantations on forest biodiversity and productivity.	EV	3, 3
18	A) Assess the role of sacred groves in conserving biodiversity and cultural heritage. OR B) Assess the impact of sustainable harvesting practices on the long term availability of non-timber forest products.	EV	4, 4
19	A) Develop a sustainable afforestation plan for your local area. Construct the plan. OR B) Develop a conservation plan for medicinal plants in a forest area including strategies for sustainable harvesting.	CR	4, 4