

Reg No:.....

K24FY 1449 (B)

Name :.....

First Semester FYUGP Forestry Examination
NOVEMBER 2024 (2024 Admission onwards)
KU1DSCFOR102 (INTRODUCTION TO FOREST
RESOURCES)

(DATE OF EXAM: 4-12-2024)

Time : 90 min

Maximum Marks : 50

Part A (Answer any 6 questions. Each carries 2 marks)

1. Explain the importance of forests in maintaining ecological balance. 2
2. Identify three non-timber forest products that can be harvested sustainably. 2
3. Name two benefits of ecotourism for local communities living near forested areas. 2
4. How do forests contribute to the identity of indigenous communities? 2
5. What role do government policies play in either promoting or preventing deforestation? 2
6. Discuss how India's forest policies support sustainable forest management. Why is sustainable management essential for forest conservation? 2
7. What is the Kerala Forest Department, and what are its main functions? Describe its role in forest conservation and management. 2
8. Explain how the Green India Mission supports conservation efforts in India. What are its primary goals related to forests and biodiversity? 2

Part B (Answer any 4 questions. Each carries 6 marks)

9. Compare and contrast the distribution of tropical and temperate forests. Analyze how geographical factors influence their locations. 6
10. Evaluate the potential of ecotourism as a strategy for forest conservation. What are the key factors that determine its success in promoting sustainable development? 6
11. Assess the social values of forests in terms of community development. Analyze how forest resources can be managed to enhance livelihoods while ensuring sustainability. Provide examples of successful community forestry initiatives. 6
12. Examine the role of deforestation in increasing greenhouse gas emissions. Analyze how carbon stored in trees and soil is affected by deforestation and suggest methods to mitigate these emissions. 6

13. Analyze the effectiveness of the Forest Rights Act of 2006 in balancing forest conservation with the rights of indigenous communities. Discuss the Act's impact on both forest ecosystems and community livelihoods, citing specific challenges and benefits. 6
14. Examine the impact of the National Wildlife Action Plan (NWAP) on forest and wildlife conservation. Analyze specific goals within the NWAP, such as habitat restoration or anti-poaching measures, and evaluate how these have affected biodiversity conservation across different regions. 6

Part C (Answer any 1 question(s). Each carries 14 marks)

15. Evaluate the impacts of climate change on forest ecosystems, including changes in species composition and ecosystem services. Create a proposal for adaptive management strategies that can help mitigate these impacts on forests. 14
16. Analyze the unique characteristics of temperate and tropical forests. Develop a presentation that highlights these differences, focusing on their ecological roles, species diversity, and adaptation strategies. 14

