

2024
SRCMUJ
2nd Semester Examination
M.Sc.
Geography
GEO-204
Geography of Resources: Land, Water, Soil and Forest

Full Marks: 40

Time: 2 Hours

The figures in the margin indicate full marks. Candidates are required to give their answers in their own words as far as practicable.

1. Answer any two of the following questions: 5x2
 - a. Discuss the role of technology in transforming a resource from a state of scarcity to adequacy. Provide an example.
 - b. Discuss how population density can influence a region's vulnerability to natural disasters.
 - c. State the key components of water poverty index.
 - d. Discuss the concept of livelihood vulnerability as described in the IPCC AR4 and AR5 reports.

2. Answer any three of the following questions: 10x3
 - a) Discuss the interplay between population growth and sustainable development. How can developing countries balance the two? 7+3
 - b) What are the major types of non-timber forest products and how do they contribute to local economies and livelihoods?
 - c) What is the significance of land capability classes? Elaborately discuss the classification provided by USDA. 2+8
 - d) Examine the role of forest restoration in combating deforestation and promoting sustainable forest management. What is Social Forestry?

- e) Discuss the principles and techniques of resource assessment and mapping. How do geospatial techniques contribute to resource database preparation? 8+2

P.Y.O. 2024