

MA RURAL DEVELOPMENT

First Semester

**Natural Resource Management
MRD-104**

Duration: 3Hrs.

Full Marks: 70

Part-A (Objective) =20
Part-B (Descriptive) =50

(PART-B: Descriptive)

Duration: 2 hrs. 40 mins.

Marks: 50

**Answer any four from Question no. 2 to 8
Question no. 1 is compulsory.**

1. Define JFM? What is a JFM Committee? What are the objectives of National Forest policy? (4+2+4=10)
2. What is Natural Resource? Classify the Natural Resources. What is Resource Utilization and their impact on livelihood pattern? (2+4+4=10)
3. What is Ecotone? Explain the characteristics of an Ecotone? Define Zimmerman's Concept of resource. (2+4+4=10)
4. Explain Forest Policy. Give an account of economic importance of forest resources. (5+5=10)
5. Explain the Functional Theory of resources. Define Biotic and Abiotic Resource. Explain the importance of natural resources on the economic development in a country? (4+4+2=10)
6. **Write Short Note on:** (5×2=10)
 - a) Food Web
 - b) Food Chain
 - c) Environmental Balance
 - d) Biosphere
 - e) Biome
7. What is Ecosystem? What are the functions of an Ecosystem? (5+5=10)
8. Explain Bio-geochemical Cycle. Define Nitrogen Cycle. (2+8=10)

10. Presentlyof the total reporting area is not available for cultivation
a) 20 per cent b) 15 per cent c) 19 per cent d) 14 per cent
11. Coal is one of the primary sources of energy accounting for aboutof total energy consumption in the country.
a) 67 per cent b) 70 per cent c) 75 per cent d) 79 per cent
12. The eminent professor of economics Erich W. Zimmermann promulgated his famous “**Concept of Resources**” in the year
a) 1920 b) 1925 c) 1933 d) 1937
13. An ecosystem is a complex set of relationship among the, habitats, residents of an area
a) living resources b) non-living resources
14. The word “Ecology” derived from theword
a) Spanish b) Greek c) French d) German
15. Ecology, the scientific study of the relationships between organisms and their environment
(True/False)
16. The target of achieving 33 per cent of the total area under Green coverage, as incorporated in our Forest Policy, 1952.
(True/False)
17. Mineral resources are considered as an important variety of renewable natural resources. On which economic development of the country depends to a large content.
(True/False)
18. The Coal Mines Act was amended in June 9, 1993.
(True/False)
19. India is the Second largest producer of fish in the world.
(True/False)
20. 14 per cent of the total reporting area in India are classified as Barren Land.
(True/False)
