

MA RURAL DEVELOPMENT  
THIRD SEMESTER [SPECIAL REPEAT]  
POPULATION AND DEVELOPMENT  
MRD – 303A

**SET  
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

**(Objective)**

Marks: 20

*Choose the correct answer from the following:*

*1 × 20 = 20*

- Which one of the following is not a land-use category?
  - Fallow land
  - Net Area Sown
  - Culturable Wasteland
  - Marginal land
- Which one of the following is the main reason due to which share of the forest has shown an increase in the last forty years?
  - Extensive and efficient efforts of afforestation
  - Better peoples participation in managing forest area
  - Increase in the notified area allocated for forest growth
  - Increase in community forest land
- Which one of these land use categories have not registered a decline -
  - Area under forest
  - Culturable wasteland
  - Area under pastures and tree crops
  - Net area sown
- Load-carrying capacity of soils is measured in
  - kg / cm square
  - kg/m square
  - kg/km square
  - kg/mm square
- As per Indian Soil Classification (IS: 1498-1970) the size of the boulder is -
  - Particle size greater than 300 mm
  - Particle size between 80 to 300 mm
  - Particle size between 4.75 to 80 mm
  - Particle size between 0.075 to 4.75 mm
- Soil Erosion is caused due to -
  - Rapid Urbanization
  - Cutting of trees
  - Over grazing by animals
  - All the above factors
- Which of the following is not a method of soil conservation?
  - Intercropping
  - Mulching
  - Contour Ploughing
  - Weathering
- Soil Erosion can finally lead to desertification
  - True
  - False
- What are the impact of overuse of inorganic fertilizers?
  - High level of nitrates and Eutrophication
  - Salinization
  - Increase soil fertility
  - Desalinization

10. What is the drawback of traditional farming?
  - a. Output is low
  - b. Output is high and low
  - c. Output is high
  - d. All of them
11. Which of the following is the most abundant greenhouse gas (GHG) in the earth's atmosphere?
  - a. Nitrogen Dioxide
  - b. Carbon Dioxide
  - c. Water Vapour
  - d. Sulphur Dioxide
12. Biodiversity increases from Poles to the equator
  - a. True
  - b. False
13. One of the ex-situ conservation methods for endangered species is
  - a. Wild life sanctuaries
  - b. Biosphere reserves
  - c. Cryopreservation
  - d. National Parks
14. How many countries represented in Earth Summit, 1992
  - a. 172
  - b. 175
  - c. 173
  - d. 178
15. Which of the following areas in India are known as hotspot of biodiversity?
  - a. Eastern Ghats
  - b. Sunderbans Delta
  - c. Western Ghats
  - d. Gangetic Plain
16. ----- fish is considered as biological controller of aquatic weeds
  - a. Grass carp
  - b. Catla
  - c. Rohu
  - d. Ilish
17. Genetic biodiversity in agricultural crops is threatened by
  - a. Introduction of high yielding varieties
  - b. Intensive use of fertilizers
  - c. Extensive intercropping
  - d. Intensive use of biopesticides
18. The implementing agency for the implementation of watershed management programme.
  - a. Ministry of Rural Development, GOI
  - b. Ministry of Finance, GOI
  - c. Ministry of commerce & Industry, GOI
  - d. Ministry of Agriculture & Corporation, GOI
19. Which of the following describes the common property resources?
  - a. Forest owned by the state
  - b. Woodlots, orchards by cooperatives
  - c. Pastures grazing land used by the community
  - d. Fruit orchards, grasslands owned by individual
20. A common example of an individual -owned and a community-owned resource is
  - a. River
  - b. Lake
  - c. Sea
  - d. Pond

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**( Descriptive )**

Time : 2 Hr. 30 Mins.

Marks : 50

[ Answer question no.1 & any four (4) from the rest ]

1. Give an account on Integrated Pest Management (IPM) practices 10
2. Define Bio-diversity. Suggest measures for bio-diversity conservation 2+8=10
3. Discuss the factors responsible for changes in Land Use Pattern in India. 10
4. Classify soil? Discuss any one in detail 4+6=10
5. What are indigenous Knowledge Systems? Discuss in detail the Indigenous knowledge systems of land management in North-East India. 3+7=10
6. What are Common Property Resources (CPRs)? What are the problems of common Property Resources? Mention important management strategies for sustainable use of CPRs. 2+5+3=10
7. Define Soil erosion. Discuss the causes and impacts of soil erosion. Mention preventing measures of soil erosion. 2+6+2=10
8. Define watershed Management. What are the objectives of watershed development programmes? What are the components of watershed Development programmes? Describe criteria for selecting IWMP projects. 2+4+2+2=10

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