

**MA RURAL DEVELOPMENT
THIRD SEMESTER
LAND MANAGEMENT FOR RURAL DEVELOPMENT
MRD-303 B**

Duration: 3 Hrs.

Marks: 70

PART : A (OBJECTIVE) = 20
PART : B (DESCRIPTIVE) = 50

[PART-B : Descriptive]

Duration: 2 Hrs. 40 Mins.

Marks: 50

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

1. Define IPM. What are the components of an Integrated Pest Management Programme? What are the six stages of an IPM Programme? (2+2+6=10)
2. What is Bio-diversity? Explain the types of Bio-diversity. What is Agricultural Bio-diversity? (2.5+5+2.5=10)
3. Define watershed. What are the objectives of Watershed development Programme? What are the components of a Watershed development Programme? (2+5+3=10)
4. What is Soil? What are the components of Soil? What are the functions of Soil? (2+2+6=10)
5. What is Land use pattern? What are the factors responsible for changes in Land use pattern? (2+8=10)
6. Define Soil Erosion. What are the causes of Soil Erosion? What are the preventing methods? (2+6+2=10)
7. Give an account of economic benefits of Bio-diversity. What is the importance of Bio- diversity? (6+4=10)
8. What is Desertification and Degradation? Define Ecological Balance. Explain CPR. (6+2+2=10)

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[PART-A : Objective]

Choose the correct answer from the following :

1×20=20

1. Bio- diversity coined in the year:
 - a. 1980
 - b. 1985
 - c. 1990
 - d. 1995
2. Bio-diversity comes from.....diversity.
 - a. Anthropological
 - b. Ecological
 - c. Biological
 - d. Economical
3. IPM has been used in:
 - a. Commercial Agriculture
 - b. Economics
 - c. Rural Development
 - d. Geological Science
4. IPM has been used for commercial purpose since the:
 - a. 1970s
 - b. 1960s
 - c. 1980s
 - d. 1990s
5. The Rio Earth summit was held in the year:
 - a. 1987
 - b. 1990
 - c. 1992
 - d. 1995
6. Ecological balance is a condition of a dynamic balance within an:
 - a. Nitrogen Cycle
 - b. Biosphere
 - c. Biome
 - d. Ecosystem
7. IPM is a systematic approach to:
 - a. Ecosystem
 - b. Pest management
 - c. Ecoton
 - d. Biosphere
8. Desertification is the process ofdegradation.
 - a. Ecological
 - b. Economical
 - c. Agricultural
 - d. Biological
9. Land use meansof land in a particular area.
 - a. Utilization
 - b. Desertification
 - c. Degradation
 - d. Erosion
10. Bio-diversity coined by:
 - a. Norman Borlaug
 - b. Eduard Suess
 - c. W.G. Rosen
 - d. Verghese Kurien
11. The Rio Earth Summit focused on developing a global framework for addressing Environmental through sustainable development.
 - a. Desertification
 - b. Erosion
 - c. Utilization
 - d. Degradation
12. Species Bio-diversity refers to the number of plant and animal species present in a.....
 - a. Ecosystem
 - b. Biome
 - c. Forest
 - d. Ecotone
13. CPR in economics is also known as:
 - a. Common Resource Property.
 - b. Common Pool Resource.
 - c. Common Participation.
 - d. None of the above.
14. IPM is a strategy to prevent and suppress pests with.....impact on human health.
 - a. Maximum
 - b. Minimum
 - c. Moderate
 - d. None of the above

15. The Stockholm Conference on the Human Environment was the predecessor to the Rio Earth Summit and one of the first mega conferences to deal with questions of the Environment and development at a global scale.
- 1965
 - 1970
 - 1972
 - 1980
16. WSD in India has been a part of theapproach to improve agricultural production and alleviate poverty in rain fed regions since 1970s.
- National
 - Scientific
 - Integrated
 - Systematic
17. Watershed management is an adaptive, comprehensive andmulti-resource management planning process.
- Integrated
 - Economic
 - Commercial
 - Balanced
18. Protection ofis also protection of water, soil, air and other resources.
- Biome
 - Ecotone
 - Bio- diversity
 - Bio geochemical cycle
19. The Earth Summit was held in:
- Portugal
 - Netherland
 - USA
 - Rio de Janerio
20. A good IPM Programme hasthree components.
- 8
 - 5
 - 3
 - 2

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UNIVERSITY OF SCIENCE & TECHNOLOGY, MEGHALAYA



[PART (A) : OBJECTIVE]

Duration : 20 Minutes

Serial no. of the
main Answer sheet

Course :

Semester : Roll No :

Enrollment No : Course code :

Course Title :

Session : 2017-18 Date :

Instructions / Guidelines

- The paper contains twenty (20) / ten (10) questions.
- Students shall tick (✓) the correct answer.
- No marks shall be given for overwrite / erasing.
- Students have to submit the Objective Part (Part-A) to the invigilator just after completion of the allotted time from the starting of examination.

Full Marks	Marks Obtained
20	

.....
Scrutinizer's Signature

.....
Examiner's Signature

.....
Invigilator's Signature