

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

BRDM (2014 & Onwards) (Sem.-4)

ECOLOGY, FORESTRY AND WASTELAND DEVELOPMENT

Subject Code : BBA-426

M.Code : 72779

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES:

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B consists of FOUR UNITS : Units-I, II, III & IV.
3. Each UNIT contains TWO questions each, carrying TEN marks each.
4. Student has to attempt any ONE question from each UNIT.

SECTION-A

1. Write briefly :
 - a. Ecology
 - b. Forestry
 - c. Reforestation
 - d. Food chain
 - e. Global warming
 - f. Biotic Factors
 - g. Succession
 - h. Seed bed
 - i. Sodic Soils
 - j. Energy flow

SECTION-B

UNIT-I

2. Explain the concept of ecosystem. What are its functions? How does homeostasis operate at the population and ecosystem level?
3. What do you mean by the term ecological pyramids? Explain the dynamic concept of it with special reference to forest ecosystems.

UNIT-II

4. What do you mean by the term Nutrient cycling? What is the significance of it?
5. Write in details the impact of human activities on environment and suggest practical measures to create a balance between development and climate change.

UNIT-III

6. Discuss bio-geochemical cycling of nutrients flow within the ecosystem and ecological succession.
7. What are the advantages of classifying the forests into forest types? What are the bases of classification of forests? How forests are helpful to rural and tribal people?

UNIT -IV

8. Define Wastelands. Classify the wastelands of India. What should be the characteristics of trees to be planted under these conditions and suggest five tree species for plantation under wastelands?
9. a) What do you understand by 'JFM'? How it is helpful in the conservation of forests?
b) Discuss the genesis and concept of social forestry.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.