

Roll No.

Total Pages : 2

MDE/D-23

4433

ECOLOGY

Paper–BOT–104

Time Allowed : 3 Hours]

[Maximum Marks : 80

Note : Attempt **five** questions in all, selecting **one** question from each Unit. Question No. **1** is compulsory. All questions carry equal marks.

Compulsory Question

1. Define the following : 4×4=16

(a) Ecotypes. (b) Parasitism.

(c) Succession. (d) Speciation.

UNIT–I

2. What is the difference between Habitat and Niche? Discuss fundamental and realized Niche with suitable examples. 16

3. Describe various types of interactions. 16

UNIT–II

4. Discuss community structure and its attributes. 16

5. What are the Vegetation characteristics discuss it? 16

UNIT–III

6. What are Energy dynamics? 16

7. Describe various types of Global biogeochemical cycles in detail. 16

UNIT–IV

8. Give a detailed note on theory of Island biogeography. 16

9. What are the sources and causes of Environmental pollution? 16