



Zobachan

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MJ-520

M.Sc. Botany

3rd Semester Examination, July-Dec., 2021

Paper - II

Plant Ecology-I

(Ecosystem and Vegetation Ecology)

Time : Three Hours]

[Maximum Marks : 80

[Minimum Pass Marks : 16

Note : Answer from **all** the Units and Question Number 1 is compulsory. All questions carry equal marks.

1. Write short notes on the following :

(a) Litter fall and decomposition ✓

(b) Ecosystem restoration ✓

(c) Stratification ✓

(d) Climax formation ✓

(2)

Unit-I

2. Write an essay on biogeochemical cycle.

OR

Write notes on the following :

- (a) Energy dynamics
- (b) Controlling factors of ecosystem

Unit-II

3. What is Sustainable development ? Write the concept of Sustainable development.

OR

Write notes on the following :

- (a) Ecological perturbations
- (b) Ecology of plant invasion

Unit-III

4. What is Community ? Explain the community characteristics and structure.

OR

Write notes on the following :

- (a) Ecological niche
- (b) Community coefficient

(3)

Unit-IV

5. What is succession? Describe brief account of Hydrosere and Xerosere.

OR

Write notes on the following :

- (a) Temporal changes
- (b) Types of plant succession