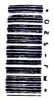
Edwalenkar.



# **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.

Write short notes on the following:

(a) Litter fall and decomposition

(b) Ecosystem restoration

Stratification \_\_\_\_

Climax formation,

76 JDB  $\star$  (3)

(Turn Over)

### 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

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

#### 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

# 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