



ED-626

M.Sc. 3rd Semester
Examination, March-April 2021

BOTANY

Paper - IV

Elective-I

Molecular Plant Pathology - I

Time : Three Hours] [*Maximum Marks* : 80
[*Minimum Pass Marks* : 16

Note : Answer **all** questions. All questions carry equal marks.

Unit-I

1. Give the general characters of fungi along with heterotrophic behaviour with emphasis on parasitism and virulence.

OR

Write notes on the following :

- (a) Transmission of viruses
- (b) Principles of plant pathology

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(Turn Over)

(2)

Unit-II

2. What is pathogenesis ? Describe the mode of infection by pathogens.

OR

Write notes on the following :

- (a) Symptoms of bacterial diseases
- (b) Significance of phyllosphere and rhizosphere

Unit-III

3. Describe the role of enzymes and toxins in pathogenesis.

OR

Write notes on the following :

- (a) Disease initiation and epidemics
- (b) Predisposing factors

Unit-IV

4. Write the techniques applied for introductory bacteriology.

OR

Write short notes on the following :

- (a) Pure culture
- (b) Techniques of inoculation and isolation.