LJ-522

M.Sc. Botany

3rd Semester Examination, July-Dec., 2020

Paper - IV

Elective - I

Molecular Plant Pathology - I

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 notes on the following :

(*a*) Heterophilic behaviour

(*b*) Rhizosphere

(*c*) Path of infection

(*d*) Culture tubes

Unit-I

2. Write an essay on classification of plant diseases.

OR

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Write notes on the following :

(*a*) Animate Pathogens

(*b*) Parasitism ability

Unit-II

3. Write an essay on pathogenic and non-pathogenic symptom of plant disease.

OR

Write notes on the following :

(*a*) Phyllosphere

(*b*) Soll borne disease

Unit-III

4. Write an essay on Smut.

OR

Write short notes on the following :

(*a*) Physiology of infection

(*b*) Disease initiation

Unit-IV

5. Explain the technique required in introductory bacteriology.

OR

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Write short notes on the following :

(*a*) Culture technique

(*b*) Media preparation

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