

PD-503-CV-19
M.Sc. (4th Semester)
Examination, June-2021
BOTANY
Paper-IV
PLANT PATHOLOGY-II

Time : Three Hours]

[Maximum Marks : 80
[Minimum Pass Marks : 29

Note : Answer from both the Sections as directed. The figures in the right-hand margin indicate marks.

Section-A

1. Answer the following in very brief:- 1x10=10
- (a) What is rhizosphere.
 - (b) Give name of two soil borne disease of plums?
 - (c) Define the disease forecasting?
 - (d) What is recurrence of disease?
 - (e) Give any two name of the disease caused by Bacteria in Wheat?
 - (f) Give any two name of the disease caused by Fungi in Rice?
 - (g) Name with caused organism any two disease of plants caused by mycoplasma?
 - (h) Give two disease of potato by fungi?
 - (i) Give symptoms of viral disease of papaya?
 - (j) What is chemical method of plant disease control?
2. Answer the following short answer type questions:- 2x5=10
- (a) What is epidemic disease?
 - (b) What is prophylaxis?
 - (c) Write the control measures of leaf curl of papaya.
 - (d) Write the symptoms of tikka disease of Arachis hypogaea.
 - (e) Write the symptoms of blast disease of oryza sativa.

Section-B

15x4=60

Answer the following long answer type question.

UNIT-I

3. Explain the water borne disease of plants.

OR

Write notes:-

- (a) Significance of phyllosphere (b) Recurrence of disease

UNIT-II

4. What is plant disease? Explain the methods of plant disease control?

OR

Write notes:-

- (a) Plant quarantine (b) Biological method of plant disease control

UNIT-III

5. Describe the life cycle of puccinia-graminis-tritici?

OR

Write notes:-

- (a) Fungal disease of Rice (b) Fungal disease of sugarcane

UNIT-IV

6. Describe the plant disease caused by mycoplasma?

OR

Write notes:-

- (a) Bacterial disease of Gram (b) Fungal disease of pea