

PE-520-CV-19
M.Sc. MICROBIOLOGY (4th Semester)
Examination, June 2022
PLANT PATHOLOGY & DISEASE MANAGEMENT

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 short answer questions:** **1x10=10**
- (a) Name the organism causing wilting disease.
 - (b) What is smut disease symptoms?
 - (c) Write causal organism of sandal spike disease.
 - (d) Define crop rotation.
 - (e) What is host defence?
 - (f) What the term epidemiology?
 - (g) Name the causative agent of tundu disease of wheat?
 - (h) What is rotting?
 - (i) Name two vectors that transmit viral diseases in plants.
 - (j) Name any one mycoplasmal disease.
- 2. Answer the following questions in brief:** **2x5=10**
- (a) Disease forecasting.
 - (b) Host resistance.
 - (c) Blight disease.
 - (d) Disease assessment.
 - (e) Epidemiology .

Section-B

15x4=60

Answer the following Long-Answer questions:

Unit-I

- 3. Write an essay on plant disease symptoms.**

OR

Write an essay on contributions of eminent Indian plant pathologists.

Unit-II

- 4. Write an essay in defence mechanism of plant against pathogens.**

OR

Write an essay on host-parasite interaction and relationship.

Unit-III

- 5. Write an essay on Bacterial plant diseases.**

OR

Differentiate between Downy and powdery mildew diseases with suitable examples.

Unit-IV

- 6. Describe in detail on chemical control of plant diseases.**

OR

Write an essay in certification and regulation of management of plant diseases.