

This question paper contains 2 printed pages]

WT—187—2024

FACULTY OF SCIENCE AND TECHNOLOGY

M.Sc. (Second Year) (Third Semester) EXAMINATION

NOVEMBER/DECEMBER, 2024

(New/CBCS Pattern)

BOTANY

Paper-XIII

(Plant pathology-I)

(Principles of Plant Pathology-I)

(Saturday, 14-12-2024)

Time : 2.00 p.m. to 5.00 p.m.

Time—3 Hours

Maximum Marks—75

N.B. :- (1) Attempt *all* questions.

(2) *All* questions carry equal marks.

(3) Draw neat and well labelled diagrams wherever necessary.

1. Write in detail contributions of E.J. Butler and M.J. Thirumalachar in the field of plant pathology. 15

Or

Describe in detail major sources of survival of plant pathogens.

2. Describe in detail indirect entry of pathogens in to the host through natural openings and wounds. 15

Or

Describe in detail the effect of environment on pathogenesis with respect to temperature, humidity and wind.

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WT—187—2024

3. Describe in detail favourable factors for development of epidemics. 15

Or

Describe in detail disposal of plant pathogens by air, water and insects.

4. Describe in detail post-infectious structure defence in host plants. 15

Or

Describe in detail pre-existing biochemical defence in plants.

5. Write short notes on (any *three*) : 15

(a) World wide development of plant pathology as profession.

(b) Symbiotic association

(c) Scope and applications of aerobiology

(d) Phytoalexins.

WT—187—2024

2