

This question paper contains 2 printed pages]

NY—296—2023

FACULTY OF SCIENCE

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

NOVEMBER/DECEMBER, 2023

(New/CBCS Pattern)

BOTANY

Paper-XIV

[(Plant Pathology-II (Diseases of Crop Plants and Their Management)]

(Tuesday, 12-12-2023)

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

Time—3 Hours

Maximum Marks—75

N.B. :— (i) Attempt all questions.

(ii) All questions carry equal marks.

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

1. Give an account of classification of plant diseases on the basis of origin. 15

Or

Describe in detail history of plant pathology with special reference to Indian works.

2. Give an account of Sulphur fungicides. Add a note on their mode of action. 15

Or

Give an account of systemic fungicides. Add a note on their mode of action.

3. Describe symptoms, causal organism, etiology and management of downy mildew of Bajra and Anthracnose of Bean. 15

Or

Describe symptoms, causal organism, etiology and management of Brown leaf spot of Rice and leaf spot of Jowar.

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NY—296—2023

4. Describe symptoms, causal organism, etiology and management of rust of groundnut and Die back of chilli. 15

Or

Describe symptoms, causal organism, etiology and management of Downy mildew of sunflower and powdery mildew of Bhendi.

5. Write short notes on any *three* of the following : 15

- (1) Isolation of Plant pathogens from infected plant parts
- (2) Use of antibiotic in plant disease management.
- (3) Rust of Jowar.
- (4) Leaf curl of Tomato.

NY—296—2023

2