

This question paper contains 2 printed pages]

ST—430—2022

FACULTY OF SCIENCE AND TECHNOLOGY

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

MAY/JUNE, 2022

(New/CBCS Pattern)

BOTANY

Paper-XIV

[Plant Pathology-II]

(Diseases of Crop Plants and Their Management)

(Tuesday, 5-7-2022)

Time : 2.00 p.m. to 5.45 p.m.

Time— 3.45 Hours

Maximum Marks—75

N.B. :— (i) Attempt All questions.

(ii) All questions carry equal marks.

(iii) Draw well labelled diagrams wherever necessary.

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

Or

Describe in detail methods for studying plant diseases in laboratory.

2. Give an account of plant quarantine with special reference to India. 15

Or

Give an account of chemical nature and classification of sulphure fungicides.

Add a note on their mode of action. 15

3. Describe symptoms, causal organism etiology and management of black stem rust of wheat and sterility mosaic of pigeonpea. 15

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ST—430—2022

Or

Describe symptoms, causal organism etiology and management of wilt of pigeonpea and grain smut of Jowar. 15

4. Describe symptoms, causal organism etiology and management of leaf spot of groundnut and diback of chilli. 15

Or

Describe symptoms, causal organism etiology and management of white rust of mustard and yellow vein mosaic of bhendi. 15

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

- (a) Koch's postulates
- (b) Cultural practices for disease management
- (c) Powdery mildew of Black Gram
- (d) Little leaf of Brinjal
- (e) Leaf curl of Chilli.

ST—430—2022

2