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Y—75—2019

FACULTY OF SCIENCE

B.Sc. (Third Year) (Fifth Semester) (Backlog) EXAMINATION

NOVEMBER/DECEMBER, 2019

(CGPA Pattern)

BOTANY

Paper XIII

(Plant Pathology—I) (Optional—I)

(Monday, 23-12-2019)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Attempt All questions.

(ii) All questions carry equal marks.

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

1. Describe in detail classification of plant diseases on the basis of causal organism.

Or

Write in brief :

(a) Field diagnosis

(b) Pure culture technique.

2. Describe factors affecting disease development.

Or

Write notes on :

(a) Mode of entry of plant pathogens through wounds

(b) Dispersal of plant pathogens by insects.

P.T.O.

3. Describe, symptoms, causal organism, disease cycle and control measures of green car of Bajra.

Or

Write in brief :

- (a) Symptoms and control measures of red rot of sugarcane
(b) Yellow vein mosaic of Bhendi.

4. Describe symptoms, causal organism, disease cycle and control measures of powdery mildew of pea.

Or

Write notes on :

- (a) Citrus canker
(b) Symptoms and causal organism of whip smut of sugarcane.

5. Write short notes on (any four) :

- (i) Scope of importance of plant pathology
(ii) Mode of entry of pathogens through buds
(iii) Control measures of white rust of mustard
(iv) Symptoms of leaf spot of Tomato
(v) *Albugo candida*
(vi) Bean mosaic.