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Y—63—2019

FACULTY OF SCIENCE

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

OCTOBER/NOVEMBER, 2019

(CGPA Pattern)

BOTANY

Paper XV

(Plant Pathology—II)

(Friday, 18-10-2019)

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. Define seed borne pathogens. Describe Blotter paper method and Agar plate method of detection of seed borne pathogens. 8

Or

Write notes on :

(a) Scope and importance of aerobiology.

(b) Chemical seed treatment.

2. Describe pre-existing and post infectious Biochemical defence mechanism in plants. 8

Or

Write notes on :

(a) Antibiotics

(b) Exclusion

P.T.O.

3. Describe symptoms, causal organism, disease cycle and control measures of Loose smut of wheat. 8

Or

Write notes on :

- (a) Leaf curl of Tomato
(b) Little leaf of Brinjal.

4. Describe symptoms, causal organism, disease cycle and control measures of wilt of Tur. 8

Or

Write notes on :

- (a) Papaya Mosaic
(b) Symptoms and causal organism of Downy mildew of grapes.

5. Write short notes on (any *four*) : 8

- (a) Seed certification
(b) Bordeaux Mixture
(c) Sclerotial stage
(d) Control measures of Tikka disease of Groundnut
(e) Grassy shoot of Sugarcane
(f) Symptoms of Rust of Wheat.