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Y—60—2019

FACULTY OF SCIENCE

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

OCTOBER/NOVEMBER, 2019

(CBCS 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. Attempt any *four* of the following : 8

- (a) Hot water treatment
- (b) Crop rotation
- (c) Integrated pest management
- (d) Leaf curl of tomato
- (e) Symptoms of Wilt of tur
- (f) Control measures of stem rust of wheat.

2. Attempt any *two* of the following : 8

- (a) Scope and importance of aerobiology
- (b) Antibiotics in plant disease control
- (c) Phytoalexins.

P.T.O.

3. Attempt any *one* of the following : 8
- (a) What are seed-borne pathogens ? Write in detail methods for detection of seed-borne pathogens.
 - (b) Describe in detail different types of copper fungicides used in plant disease control.
4. Attempt any *two* of the following : 8
- (a) Uredial and Telial stage of *Puccinia graminis tritici*
 - (b) Rust of soybean
 - (c) Symptoms of tikka disease of groundnut.
5. Attempt any *one* of the following : 8
- (a) Describe symptoms, causal organism, disease cycle and control measures of Loose smut of wheat.
 - (b) Describe symptoms, causal organism, disease cycle and control measures of Downy mildew of grapes.