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Y—72—2019

FACULTY OF SCIENCE

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

NOVEMBER/DECEMBER, 2019

(CBCS Pattern)

BOTANY (Optional-I)

Paper XIII

(Plant Pathology-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. Attempt any four of the following : 8

- (a) Mildews
- (b) Entry of plant pathogens through root hairs
- (c) Causal organism of leaf spot of Tamato
- (d) Control of sigatoka disease of Banana
- (e) Scope of plant pathology
- (f) Dispersal of plant pathogens by insects.

2. Attempt any two of the following : 8

- (a) Isolation of plant pathogens from infected plant parts.
- (b) Pure culture technique
- (c) Dispersal of plant pathogens by water and animals.

P.T.O.

3. Attempt any *one* of the following : 8
- (a) Describe classification of plant diseases on the basis of causal organism.
 - (b) Write in brief factors affecting disease development.
4. Attempt any *two* of the following : 8
- (a) Symptoms and causal organism of green ear of Bajra
 - (b) Grain smut of Jowar.
 - (c) Citrus canker.
5. Attempt any *one* of the following : 8
- (a) Describe symptoms, causal organism, disease cycle and control measures of angular leaf spot of cotton.
 - (b) Describe symptoms, causal organism, disease cycle and control measures of whip smut of sugarcane.