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B—72—2019

FACULTY OF SCIENCE

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

MARCH/APRIL, 2019

(CBCS Pattern)

BOTANY

Paper-XIII (Optional-I)

(Plant Pathology-I)

(Wednesday, 27-3-2019)

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 whenever necessary.

1. Attempt any *four* of the following : 8
 - (a) Importance of plant pathology.
 - (b) Entry of plant pathogens through buds.
 - (c) Symptoms of leaf spot of tomato.
 - (d) Control measures of powdery mildew of pea.
 - (e) Isolation of plant pathogens from air.
 - (f) Control measures of sigatoka disease of Banana.
2. Attempt any *two* of the following : 8
 - (a) Koch's postulates for pathogenicity.
 - (b) Effect of temperature on disease development.
 - (c) Pure culture technique.
3. Attempt any *one* of the following : 8
 - (a) Describe classification of plant diseases on the basis of symptoms.
 - (b) Write in detail on dispersal of plant pathogens.

P.T.O.

4. Attempt any *two* of the following : 8
- (a) Grain smut of Jowar
 - (b) Leaf spot of Turmeric
 - (c) Citrus canker.
5. Attempt any *one* of the following : 8
- (a) Describe symptoms, causal organism, disease cycle and control measures of green ear of Bajra.
 - (b) Describe symptoms, causal organism, disease cycle and control measures of white rust of mustard.