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W—64—2018

FACULTY OF SCIENCE

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

OCTOBER/NOVEMBER, 2018

(CGPA Pattern)

BOTANY

Paper XIII (Optional—I)

(Plant Pathology—I)

(Tuesday, 16-10-2018)

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 classification of plant diseases on the basis of causal organism.

Or

Write in brief :

(a) Isolation of plant pathogens from infected plant parts

(b) Pure culture technique.

2. Describe effect of temperature and moisture on disease development.

Or

Write in brief :

(a) Dispersal of plant pathogens by air

(b) Mode of entry of pathogens through wounds and buds.

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

Or

Write notes on :

(a) Symptoms and control measures of grain smut of Jowar

(b) Symptoms and control measures of red rot of Sugarcane.

P.T.O.

4. Describe symptoms, causal organism, disease cycle and control measures of whip smut of sugarcane.

Or

Write notes on :

- (a) Symptoms and causal organism of leaf spot of Turmeric
 - (b) Citrus canker.
5. Write short notes on any *four* of the following :
- (i) Importance of plant pathology
 - (ii) Dispersal of plant pathogens by insects
 - (iii) Control measures of angular leaf spot of cotton
 - (iv) Causal organism of leaf spot of Tomato
 - (v) Symptoms of white rust of Mustard
 - (vi) Bean mosaic.