

This question paper contains 2 printed pages]

R—59—2017

FACULTY OF SCIENCE

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

MARCH/APRIL, 2017

BOTANY

Paper XIII (Optional—I)

(Plant Pathology—I)

(Friday, 31-3-2017)

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) Pure culture technique

(b) Field diagnosis of plant diseases.

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 plant pathogens through stomata.

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

Or

Write notes on :

(a) Yellow vein mosaic of Bhendi

(b) Symptoms and control measures of grain smut of Jowar.

P.T.O.

4. Describe symptoms, causal organism, disease cycle and control measures of white rust of Mustard.

Or

Write notes on :

- (a) Citrus canker
 - (b) Symptoms and control measures of leaf spot of Turmeric.
5. Write short notes on any *four* of the following :
- (i) Importance of plant pathology
 - (ii) Dispersal of plant pathogens by animals
 - (iii) Control measures of red rot of sugarcane
 - (iv) Symptoms of angular leaf spot of cotton
 - (v) Control measures of powdery mildew of pea
 - (vi) Bean mosaic.