This question paper contains **2** printed pages]

V—57—2017

FACULTY OF SCIENCE

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

OCTOBER/NOVEMBER, 2017

BOTANY

Paper XIII

(Optional-I)

(Plant Pathology—I)

(Friday, 10-11-2017) **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 isolation of plant pathogens from infected plant parts and air.

Or

Write in brief :

(*a*) Koch's postulates

(*b*) Pure culture technique.

2. Describe dispersal of plant pathogens by air and insects.

Or

Write notes on :

(*a*) Effect of moisture on disease development

(*b*) Mode of entry of plant pathogens through wounds.

3. Describe symptoms, causal organism, disease cycle and control measures of red rot of sugarcane.

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Or

Write in brief :

(*a*) Yellow vein mosaic of Bhendi

(*b*) Symptoms and control measures of green ear of Bajra.

4. Describe symptoms, causal organism, disease cycle and control measures of Whip Smut of Sugarcane.

Or

Write notes on :

(*a*) Citrus Canker

(*b*) Bean Mosaic.

5. Write short notes on any *four* of the following :

(*i*) Scope of plant pathology

(*ii*) Effect of soil pH on disease development

(*iii*) Symptoms of Tomato leaf spot

(*iv*) Control measures of angular leaf spot of cotton

(*v*) Disease cycle of white rust of Mustard

(*vi*) Control measures of leaf spot of Turmeric.

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