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AO-56-2018

FACULTY OF SCIENCE

B.Sc. (Third Year) (Fifth Semester) EXAMINATION MARCH/APRIL, 2018

BOTANY

Paper XIII (Optional)

(Plant Pathology-I)

(Saturday, 24-3-2018)

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 symptoms.

Or

Write in brief:

- (a) Koch's postulates
- (b) Isolation of plant pathogens from soil.
- 2. Describe mode of entry of plant pathogens through stomata and root hairs.

Or

Write in brief:

- (a) Dispersal of plant pathogens by insects.
- (b) Effect of temperature on disease development.
- 3. Describe symptoms, causal organism, disease cycle and control measures of red rot of sugarcane.

Or

Write notes on:

- (a) Symptoms and causal organism of leaf spot of tomato.
- (b) Yellow vein mosaic of bhendi.

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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 powdery mildew of pea.
- 5. Write short notes on any four of the following:
 - (i) Scope and importance of plant pathology.
 - (ii) Dispersal of plant pathogens by animals.
 - (iii) Control measures of green ear of Bajra.
 - (iv) Symptoms of grain smut of Jowar.
 - (v) Control measures of whip smut of Sugarcane.
 - (vi) Bean mosaic.