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V—49—2017

FACULTY OF SCIENCE

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

OCTOBER/NOVEMBER, 2017

BOTANY

Paper XV

(Plant Pathology—II)

(Saturday, 14-10-2017)

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. Write notes on (any four) : 8
 - (i) Solar treatment
 - (ii) Burgandy mixture
 - (iii) Leaf Curl of Tomato
 - (iv) Micro and Macro Conidia of *Fusarium*
 - (v) Control measures of Downy Mildew of Grapes
 - (vi) Symptoms of Ergot of Bajra.
2. Write notes on (any two) : 8
 - (i) Aerobiology — scope and importance
 - (ii) Internal seed-borne pathogens
 - (iii) Systemic fungicides
 - (iv) Integrated Pest Management.
3. Write notes on (any two) : 8
 - (i) Seed certification

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- (ii) Pre-existing structural defence mechanism
- (iii) Disease forecasting
- (iv) Exclusion.
4. Describe in detail any *one* of the following : 8
- (i) Symptoms, causal organism, disease cycle and control measures of Late blight of Potato.
- (ii) Symptoms, causal organism, disease cycle and control measures of Loose Smut of Wheat.
5. Write short notes on (any *two*) : 8
- (i) Rust of Jowar
- (ii) Little leaf of Brinjal
- (iii) Disease cycle of stem rust of Wheat
- (iv) Papaya mosaic.