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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.