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**R—50—2017**

**FACULTY OF SCIENCE**

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

**MARCH/APRIL, 2017**

**BOTANY**

Paper XV (Opt.)

(Plant Pathology—II)

**(Thursday, 30-3-2017)**

**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. Define seed pathology. Explain in detail detection of seed-borne pathogens by Blotter paper method.

*Or*

Write in brief :

(a) Scope and importance of Aerobiology

(b) Disease forecasting.

2. Describe in detail pre-existing biochemical defence mechanism.

*Or*

Write notes on :

(a) Systematic Fungicides

(b) Exclusion.

3. Describe symptoms, causal organism and disease cycle of loose smut of wheat and add a note on its control measures.

*Or*

Write in brief :

(a) Leaf curl of Tomato

(b) Little leaf of Brinjal.

P.T.O.

4. Describe symptoms, causal organism and disease cycle of stem rust of wheat.

*Or*

Write notes on :

- (a) Wilt of Tur  
(b) Grassy Shoot of Sugarcane.
5. Write short notes on any *four* of the following : 10
- (i) Seed certification  
(ii) Role of stomata in defence mechanism  
(iii) Symptoms of Rust of Jowar  
(iv) Papaya Mosaic  
(v) *Plasmopara viticola*  
(vi) *Sclerotium*.