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**AO—48—2018**

**FACULTY OF SCIENCE**

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

**MARCH/APRIL, 2018**

**BOTANY**

**Paper XV (Opt.)**

**(Plant Pathology–II)**

**(Friday, 23-3-2018)**

**Time : 10.00 a.m. to 12.00 noon**

*Time—Two 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 in detail detection of seed borne pathogens by Agar Plate method.

*Or*

Write in brief :

(a) Scope and importance of Aerobiology

(b) Disease forecasting.

2. Describe in detail post-infectious biochemical defense mechanism in plants.

*Or*

Explain in brief :

(a) Eradication

(b) Copper fungicide.

3. Describe symptoms, causal organism and disease cycle of Tikka disease of ground-nut and add a note on its control measures.

*Or*

Write in brief :

(a) Little leaf of Brinjal

(b) Rust of Jowar.

P.T.O.

4. Describe symptoms, causal organism, disease cycle and control measures of Late blight of Potato.

*Or*

Explain in brief :

- (a) Uredial and telial stage  
(b) Papaya mosaic.
5. Write short notes on any *four* of the following :
- (a) Blotter paper method  
(b) Role of epidemics in defence mechanism  
(c) Little leaf of Brinjal  
(d) Grassy shoot of sugarcane  
(e) Puccinia graminis tritici  
(f) Bordeaux mixture.