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**B—60—2019**

**FACULTY OF SCIENCE**

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

**MARCH/APRIL, 2019**

**(CBCS Pattern)**

**BOTANY**

**Paper-XV**

**(Plant Pathology-II)**

**(Tuesday, 26-3-2019)**

**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. Attempt any *four* of the following : 8
  - (a) Internal seed-borne pathogens.
  - (b) Solar seed treatment.
  - (c) Bordeaux mixture.
  - (d) *Cuscuta* as parasite.
  - (e) *Claviceps microcephala*.
  - (f) Uredial stage.
2. Attempt any *two* of the following : 8
  - (a) Agar plate method.
  - (b) Phytoalexins.
  - (c) Sulphur fungicides.
3. Attempt any *one* of the following : 8
  - (a) Describe in detail pre-existing and post-infectious structural defence mechanism in plants.
  - (b) Define aerobiology. Write in detail scope and importance of aerobiology.

P.T.O.

- 4. Attempt any *two* of the following : 8
  - (a) Symptoms and causal organism of loose smut of wheat.
  - (b) Leaf curl of tomato.
  - (c) Grassy shoot of sugarcane.
  
- 5. Attempt any *one* of the following : 8
  - (a) Describe symptoms, causal organism, disease cycle and control measures of tikka disease of groundnut.
  - (b) Describe symptoms, causal organism, disease cycle and control measures of Late blight of potato. .