

**February 2019**  
M. Sc. IIIrd Semester Examination

**SEED TECHNOLOGY**

Seed Pathology

Paper II

**Time 3 Hours}**

**(Max. Marks : Regular 85 / Private 100**

**(Min. Marks : Regular 28 / Private 33**

**Note : This question paper is meant for all Regular and Private students. Answer all five questions. All questions carry equal marks. The blind candidates will be given 60 minutes extra time.**

1. **What are Storage Fungi ? Describe their harmful effects on seeds and factors affecting them.**

OR

Write short notes on the following :

- (a) Plant Quarantines.
- (b) Detection techniques of Seed Borne Pathogens.

2. **Write an essay on mode and mechanism of transmission of Seed Borne Pathogens and Microorganisms.**

OR

Write short notes on the following :

- (a) Morphology and Anatomy of typical Dicot Seed.
- (b) Losses caused by Seed Borne Diseases.

3. **What are different Seed Health Testing Methods for detecting micro-organisms ?**

OR

Write short notes on the following :

- (a) Role of micro-organisms in Seed Quality Deterioration.
- (b) Methods of treatment to control Seed Borne Diseases.

4. **What are Mycotoxins ? Describe the fungi which produce Mycotoxins.**

OR

Write short notes on the following :

- (a) Effects of Mycotoxins.
- (b) Control measures for Mycotoxins.

5. **Describe in detail the sanitary and phyto-sanitary measures in Seed Trade.**

OR

Write short notes on the following :

- (a) PRA (Pest Risk Analysis).
- (b) Seed Certification.