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**WT—390—2024**

**FACULTY OF SCIENCE AND TECHNOLOGY**

**M.Sc. (Second Year) (Fourth Semester) EXAMINATION**

**NOVEMBER/DECEMBER, 2024**

**BOTANY**

**Paper XIX-C**

[Seed Technology-IV (Seed Health Testing and Management)]

**(Friday, 20-12-2024)**

**Time : 2.00 p.m. to 5.00 p.m.**

*Time—Three Hours*

*Maximum Marks—75*

*Note :— (i) Attempt All questions.*

*(ii) Draw neat well labelled diagram wherever necessary.*

1. Define mycotoxin. Describe the effect of mycotoxins on human and animal health. 15

*Or*

Define storage fungi. Explain in detail the effects of storage fungi.

2. What is seed testing ? Describe examination of ungerminated seeds and examination of suspensions obtained from washing of seeds. 15

*Or*

Describe objectives of seed health testing and add a note on inspection of dry seed and ungerminated seeds.

P.T.O.

3. Describe in detail important storage pests causing damage of seeds and their management,. 15

*Or*

Describe in detail physical and biological methods of seed treatment.

4. What is seed certification ? Describe development of certification concept. 15

*Or*

Describe in detail seed legislation and laws.

5. Write short notes on (any *three*) : 15

- (a) Alternaria
- (b) Embryo count method
- (c) Pesticides
- (d) Plant quarantine
- (e) Aspergillus.