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**25-BO-43-A**

**M.Sc. IV SEMESTER [MAIN/ATKT] EXAMINATION  
MAY - JUNE 2025**

**BOTANY**  
Paper - III  
**[Plant Pathology]**

*[Max. Marks : 75]*

*[Time : 3:00 Hrs.]*

*[Min. Marks : 26]*

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**Note :** Candidate should write his/her Roll Number at the prescribed space on the question paper.  
Student should not write anything on question paper.  
Attempt all five questions. Each question carries an internal choice.  
Each question carries **15 marks**.

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**Q. 1** Describe agents of infections diseases by fungi and viruses.

**OR**

Write short notes on -

- i) Nature and concept of Plant disease.
- ii) Methods of studying plant disease.

**Q. 2** Write short notes on **any one** -

- i) Role of Hormones in Pathogenesis.
- ii) Biochemical defense.

**Q. 3** Describe survival of plant pathogens.

**OR**

Explain genetics of virulence in pathogen and resistance in host plant.

**Q. 4** Give a detailed account of chemical methods of plant diseases control.

**OR**

Give a detailed account of Biological methods of plant disease control.

**Q. 5** Explain diseases found on -

- i) Wheat and Bajra.
- ii) Papaya and Lemon

**OR**

Describe diseases found on pulses and vegetables.