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24-BO-43-A

**M.Sc. IV SEMESTER [MAIN/ATKT] EXAMINATION
JUNE - JULY 2024**

BOTANY
Paper - III
[Plant Pathology]

[Max. Marks : 75]

[Time : 3:00 Hrs.]

[Min. Marks : 26]

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 five questions. Each question carries an internal choice.
Each question carries **15 marks**.

Q. 1 Describe symptoms and identification of plant diseases.

OR

Write short notes on -

- Contribution of any three Indian scientist in the field of plant pathology.
- Classification of plant diseases.

Q. 2 Describe the role of enzymes in pathogenesis.

OR

Write in brief on -

- Structural defence.
- Penetration by Pathogen.

Q. 3 Describe dispersal of plant pathogen.

OR

Give a detailed account of effect of light, temperature, moisture and soil on pathogenesis.

Q. 4 Explain general principles of plant disease control.

OR

P.T.O.

Write short notes on -

- i) Systemic fungicides.
- ii) Disease control through cultural practices.

Q. 5 Explain the following -

- i) Stem gall of coriander.
- ii) Tikka disease of ground nut.
- iii) Rust of Linseed.

OR

Describe diseases found on sugarcane and potato.

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