

M.Sc. 1st Semester Examination, 2024

BOTANY

(Plant Pathology)

PAPER – BOT-105

Full Marks : 25

Time : 1 hour

Answer all questions

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

GROUP – A

Answer any two questions : 2 × 2

- 1. Name two fungicides which have activity against Anthracnose of jute ?**

(Turn Over)

(2)

2. What do you mean by systemic fungicide ?
Give one example.
3. What type of organism is *Agrobacterium* ?
Which disease does it cause ?
4. What is a disease triangle ?

GROUP – B

Write short notes on any **two** : 4 × 2

5. Mathieu Tillet
6. Role of auxin in plant pathogenesis
7. Mechanism of penetration of plants pathogens
8. Role of biotechnology in diagnosis of plant diseases.

GROUP – C

Answer any **one** question : 8 × 1

(3)

9. Discuss in details about the symptoms and control measures of Crown gall diseases. 4 + 4
10. Write down the name of causal organism of blast of rice. Briefly discuss about symptoms and control measures. 2 + 3 + 3

[Internal Assessment – 5 Marks]

