

SG-16909

(544) M.Sc. Botany (Fourth Semester)
Examination, June-2024

Compulsory/Optional

Paper - IV Elective (A)

Plant Pathology-II

Time : Three Hours / Maximum Marks : 80

Note : Answer from both **sections** as directed. The figures in the right-hand margin indicate marks.

Section-A

1. Answer the following questions in short:

$$1 \times 10 = 10$$

- (a) What is Predisposition?
- (b) Write any two seed born diseases name?

SG-16909

(Turn Over)

(2)

- (c) What is diseases Resistance varieties?
- (d) What are chemicals used to control nematodes?
- (e) Write Pathogen name of disease "Red rot of Sugarcane"?
- (f) Which one is causal organism of Blast disease of Rice?
- (g) What is pathogen of disease Powdery Mildew of Pea?
- (h) What is stress epidemiology?
- (i) What are controlling method of Bacterial diseases in plants?
- (j) What are symptoms of viral diseases in plants?

2. Write short notes on following : $2 \times 5 = 10$

- (a) What is Phyllosphere & Rhizosphere?
- (b) What is Plant Quarantine?

SG-16909

(Continued)

(3)

- (c) Write any two plant diseases caused by bacteria?
- (d) How nematodes are harmful?
- (e) Write on control of Tikva Disease of groundnut?

Section-B

Note : Answer the following questions.

$$15 \times 4 = 60$$

- 3. Discuss in detail on plant diseases control?

OR

Write short notes on following :

- (a) Discuss on Air-born disease in Plants?
- (b) Discuss on water born disease in Plants?

4. Write on characters of Mycoplasma, with Plant disease caused by Mycoplasma and its control?

(4)

OR

Write short notes on following :

- (a) Write on Loose smut of Bajara?
- (b) Discuss on Plant disease Recurrence?

5. Discuss on Black smut of wheat with its Pathogen, Host, its life cycle and control?

OR

Write short notes on following :

- (a) Discuss on Citrus Canker?
- (b) Write on Control of fungal diseases in plants?

6. Write on Diseases forecasting and disease cycle in crops?

OR

Write short notes on following :

- (a) Write note on Wilt of Arhar.
- (b) Write notes on early blight of potato?