

Roll No.

Total Pages : 4

12022/NL**U-40/2111**

**DISEASES OF HORTICULTURE
CROPS AND THEIR MANAGEMENT**

Paper-PATH-301

Semester-V

Time Allowed : 3 Hours] [Maximum Marks : 45

Note : The candidates are required to attempt **two** questions each from Section A carrying 6½ marks each and Section B carrying 7 marks each and the entire Section C consisting of 9 short answer type questions carrying 2 marks each.

SECTION—A

1. Explain the following : 6½
 - (a) Saprophyte.
 - (b) Pathogenicity.
2. Write notes on the following : 6½
 - (a) Endemic and Epidemic disease.
 - (b) Hypersensitivity.
3. Give economic importance symptoms of Causal organisms of Guava and Grapes. 6½
4. Right economic importance symptoms of Causal organism disease cycle and control measures of Strawberry. 6½

SECTION—B

5. Explain symptoms, casual organisms, disease cycle and management of disease of vegetable Cucumber and Okra. 7

6. Discuss about symptoms, casual organisms, disease cycle and management of diseases of Cauliflower.

7

7. Write economic importance, symptoms, disease cycle and control measures of Gladiolus and Carnation.

7

8. Give economic importance of causal organisms, disease cycle and control measures of Marigold and Petunias.

7

SECTION—C

9. Write short notes on the following : $9 \times 2 = 18$

- (i) Parasite.
- (ii) Disease cycle of Banana.
- (iii) Pathogen.
- (iv) Symptoms of disease of Cucumber.

(v) Biotroph.

(vi) Disease cycle and control measure of Litchi.

(vii) Management of disease of Radish.

(viii) Economic importance of Rose.

(ix) Discuss management of Muskmelon.