

C 22500

(Pages : 2)

Name.....

Reg. No.....

**FOURTH SEMESTER M.Sc. DEGREE [REGULAR/SUPPLEMENTARY]  
EXAMINATION, APRIL 2022**

(CBCSS)

Botany

BOT 4E 02 2—PATHOLOGY OF PLANTATION CROPS AND SPICES

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

**General Instructions**

1. *In cases where choices are provided, students can attend **all** questions in each section.*
2. *The minimum number of questions to be attended from the Section / Part shall remain the same.*
3. *The instruction if any, to attend a minimum number of questions from each sub section / sub part / sub division may be ignored.*
4. *There will be an overall ceiling for each Section / Part that is equivalent to the maximum weightage of the Section / Part.*

**Part A**I. Write short answer on any *four* of the following :

- 1 What is contact fungicide ? Write an example.
- 2 Write the symptoms and control measures of stem bleeding in coconut.
- 3 Write the principle of integrated pest and disease management.
- 4 Explain the principle of biological control.
- 5 How systemic protection different from that of surface protectants.
- 6 Write the general symptoms of fungal diseases in plants.
- 7 How avoidance techniques useful for disease and pest management.

(4 × 2 = 8 weightage)

**Turn over**

**Part B**

II. Write a short essay on any *four* of the following :

- 8 Briefly explain different types of fungicides.
- 9 Write the mode of action of pesticides.
- 10 Write a brief account on the bud rot of coconut.
- 11 Write the chemistry of bactericides.
- 12 Write the advantages of integrated pest and disease management.
- 13 Give a brief account on the diseases caused by pests on spice crops.
- 14 Write the causes and management of nut fall of Areca.

(4 × 3 = 12 weightage)

**Part C**

III. Write an essay on any *two* of the following :

- 15 Write an essay on the major pathogens of crop plants.
- 16 Write an account on the major sources of Botanicals as plant protectants, their active principles and mode of their applications.
- 17 Give a short account on the biocontrol agents used for plant protection and their mode of action.
- 18 Write the symptoms, causative organism and control measures of two diseases found in cardomom.

(2 × 5 = 10 weightage)