

**2023**

**AGS 5th Semester Examination**

**B.Sc. Hons. in Agriculture**

**Diseases of Field and Horticulture Crops and  
their Management—I**

PAPER — 504

Full Marks : 50

Time : 2 hours

*The figures in the right-hand margin indicate marks.*

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

*Illustrate the answers wherever necessary.*

Answer from **all** the Groups as directed.

**GROUP—A**

**1.** Answer *any five* questions from the following :

2×5=10

(a) Write down the name of any two diseases of coconut with their causal organism.

( 2 )

- (b) How false Smut of wheat can be controlled?
- (c) Describe the characteristic of 'Kresek' symptoms of rice.
- (d) How can 'damping off' of seedlings be controlled?
- (e) Write down the causal organism and the disease transmission vector name of the bunchy top disease of banana.
- (f) What do you mean by crazy top symptoms of maize?
- (g) Write down the name of two seed-treating fungicides.
- (h) Write down the name of any two bacterial diseases with their causal organism.

**GROUP—B**

2. Answer *any four* questions from the following :  
5×4=20

- (a) Give a brief note on the yellow vein mosaic disease of Okra. 5

( 3 )

(b) Describe the symptoms of Sigatoka disease and Panama wilt of banana.  $2\frac{1}{2}+2\frac{1}{2}$

(c) Write a short note on Khaira disease of rice. 5

(d) Give a brief note on Coffee rust. 5

(e) Write a short note on phomopsis blight and fruit rot disease of brinjal. 5

(f) Describe the symptoms and control of guava wilt disease. 5

### GROUP—C

3. Answer *any two* questions from the following :  
 $10 \times 2 = 20$

(a) Briefly describe the most distinguishing symptoms, causal organism, etiology, disease cycle and management of rice blast disease.  $2+1+2+3+2$

(b) Write the symptoms, etiology, epidemiology disease cycle and management of white rust of mustard.  $2+2+2+2+2$

(c) Describe in detail symptoms, causal organism, etiology, disease cycle and management of Tikka disease of groundnut.  $2+1+2+3+2$