

This question paper contains 2 printed pages]

**SB—52—2022**

**FACULTY OF SCIENCE & TECHNOLOGY**

**B.Sc. (Third Year) (Fifth Semester) EXAMINATION**

**MAY/JUNE, 2022**

**(CBCS/New Course)**

**BOTANY**

**(Paper-XIII)**

**(Plant Pathology-I)**

**(Monday, 13-06-2022)**

**Time : 10.00 a.m. to 12.30 p.m.**

*Time— 2.30 Hours*

*Maximum Marks—40*

*N.B. :— (i) Attempt all questions.*

*(ii) Illustrate your answers with suitably labelled diagram wherever necessary.*

1. Describe classification of plant diseases on the basis of causal organisms.

15

*Or*

Write in brief :

(a) Green ear of bajra.

8

(b) Whip smut of sugarcane.

7

2. Describe symptoms, causal organism, disease cycle and control measures of powdery mildew of pea.

15

*Or*

Write in brief :

(a) Role of temperature and moisture in disease development.

8

(b) Red rot of sugarcane.

7

P.T.O.

3. Attempt any *two* of four :

10

- (a) Koch's postulates
- (b) Mode of entry of plant pathogens through stomata and root hairs
- (c) Anthracnose of Mango
- (d) Sigatoka disease of Banana.