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**GA—45—2023**

**FACULTY OF SCIENCE AND TECHNOLOGY**

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

**APRIL/MAY, 2023**

**(New CBCS Pattern)**

**BOTANY**

**Paper-XIII**

**(Plant Pathology-I)**

**(Saturday, 29-4-2023)**

**Time : 10.00 a.m. to 12.00 noon**

*Time—Two Hours*

*Maximum Marks—40*

*N.B. :— (i) Attempt All questions.*

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

1. Describe classification of plant diseases on the basis of causal organisms. 15

*Or*

Write on :

(a) Grain smut of Jowar. 8

(b) Bacterial blight of Pomegranate. 7

2. Describe symptoms, causal organism, disease cycle and control measures of red rot of sugarcane. 15

*Or*

Write on :

(a) Role of moisture and soil pH in disease development. 8

(b) Dispersal of pathogens by insect and animals. 7

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3. Attempt any *two* out of four :

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- (a) Laboratory diagnosis
- (b) Role of temperature in disease development
- (c) Symptoms of green ear of Bajra
- (d) Sigatoka disease of Banana.

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