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SB—55—2022

FACULTY OF SCIENCE AND TECHNOLOGY

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

JUNE/JULY, 2022

(CBCS/Old Pattern)

BOTANY

Paper XIII

(Plant Pathology-I)

(Monday, 13-6-2022)

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

Time—2½ Hours

Maximum Marks—40

N.B. :— (i) Attempt All questions.

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

1. Describe symptoms, causal organism, disease cycle and control measures of white rust of Mustard. 15

Or

Write on :

(a) Entry of plant pathogens through stomata and wounds 8

(b) Role of enzymes in disease development. 7

2. Describe classification of plant diseases on the basis of symptoms. 15

Or

Write on :

(a) Grain smut of Jowar 8

(b) Anthracnose of mango 7

3. Attempt any *two* of the four (each of 5 marks) : 10

(a) Isolation of plant pathogens from infected plant parts

(b) Effect of temperature on disease development

(c) Symptoms and control measures of red rot of sugarcane

(d) Leaf blight of rice.

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