TDC Even Semester Exam., 2019

BOTANY

(Honours)

(6th Semester)

Course No. : BOTH–603

(Plant Pathology)

Full Marks : 35
Pass Marks : 12

Time : 2 hours

The figures in the margin indicate full marks for the questions

Answer **five** questions, selecting **one** from each Unit

UNIT—I

1. Discuss in detail the classification of plant diseases. 7

2. Write short notes on the following : 3½+3½=7

(a) General symptoms of fungal diseases

(b) Defence mechanism in plant

UNIT—II

3. How are plant pathogens transmitted? Discuss in brief the factors responsible for epidemics. 7

4. Briefly discuss the following : 3½+3½=7

(a) Biopesticides

(b) Disease cycle

UNIT—III

5. Mention with neat sketches the techniques of immunization in plants. 7

6. Define virulent and avirulent genes. What is their role in disease resistance? 3+4=7

UNIT—IV

7. Write the causal organism, symptom, disease cycle and control measures of late blight of potato. 7

8. Write the etiology, symptoms, classification, disease cycle and control measures of red rot of sugarcane. 7

UNIT—V

9. Write short notes on the following : 3½+3½=7

(a) Role of information technology in detecting epidemics

(b) Wilt disease of pea

10. With neat sketches, discuss the smut disease of wheat with control measures. 7

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