

BACHELOR OF SCIENCE (CBCS-2018 COURSE)
T. Y. B. Sc. Sem-V : WINTER :- 2021
SUBJECT: BOTANY : PLANT PATHOLOGY & PLANT PROTECTION

Day : Monday
Date 24-01-2022

W-18424-2021

Time : 02:00 PM-05:00 PM
Max. Marks: 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) All questions carry **EQUAL** marks.
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Q.1 Attempt **ANY TWO** of the following : **(12)**

- a) Describe symptoms and control measures of black arm of Cotton.
- b) Explain any two environmental factors affecting process of disease development.
- c) Give an account of 'Quarantine laws'.

Q.2 Attempt **ANY TWO** of the following : **(12)**

- a) Write a note on plant quarantine.
- b) Describe plant disease forecasting.
- c) Name the causal organisms, describe the symptoms and suggest control measures of rust of wheat.

Q.3 Attempt **ANY TWO** of the following : **(12)**

- a) Describe scope and importance of plant pathology.
- b) Write a note on Tikka disease of Groundnut.
- c) What measures would you adopt to control little leaf of brinjal?

Q.4 Attempt **ANY THREE** of the following : **(12)**

- a) Explain germ theory of diseases.
- b) Explain the role of tuber indexing and seed certification in plant protection.
- c) Give symptoms and causal organism of yellow mosaic of Papaya.
- d) Explain importance of crop rotation, in disease control.

Q.5 Attempt **ANY FOUR** of the following : **(12)**

- a) Prof. K.C.Metha work in the field of plant pathology.
- b) Comment on pathogenesis.
- c) Importance of Remote sensing in plant pathology.
- d) Define host and pathogen.
- e) Write an account of chemical control of plant disease.
