Day : Monday   Time : 02:00 PM-05:00 PM

Date : 12/12/2022   **W-18424-2022**   Max. Marks : 60

N.B.
1) All questions are **COMPULSORY**.
2) All questions carry **EQUAL** marks.

Q.1 Attempt **ANY TWO** of the following :   (12)

a) Describe symptoms and control measures of Tikka disease of groundnut.
b) Describe the symptomatology of Red rot of Sugarcane and mention any two control methods.
c) Give an account of 'Quarantine laws'.

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

a) Describe symptoms and control measures of red rot of Sugarcane.
b) What is remote sensing? Explain its importance in plant pathology.
c) Explain disease triangle in short.

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

a) Describe scope and importance of plant pathology.
b) How can weather forecasting help farmers to control a fungal disease?
c) What measures would you adopt to control the root rot of cotton?

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

a) Explain concept of IPM.
b) Explain the role of tuber indexing and seed certification in plant protection.
c) Name the causes organism and symptoms of little leaf of brinjal.
d) Explain importance of crop rotation, in disease control.

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

a) Robert Koch work in the field of plant pathology.
b) Comment on pathogenesis.
c) Write a note on field diagnosis of plant disease.
d) Deference between host and pathogen.
e) Write an account of chemical control of plant disease.

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