

G-30/2051
FUNDAMENTALS OF PLANT PATHOLOGY
PAPER-XVIII
(Semester-II)

Time : Three Hours]

[Maximum Marks : 45

Note : Attempt *two* questions each from Section A and B. Section C will be compulsory. Section A consisting of 4 questions carry 6½ marks each. Section B consisting of 4 questions carry 7 marks each. Section C consisting of 9 questions carry 2 marks each.

SECTION-A

- I. Briefly describe *five* landmarks in the history of plant pathology.
- II. Describe general characteristics of Bacteria.
- III. Write a note on survival and dispersal of plant pathogens.
- IV. What do you mean by defence mechanism in plants ? Explain it.

SECTION-B

- V. Discuss reproduction in Pythium.

- VI. Describe the disease caused by *Meloidogyne* Spp. including below and above ground symptoms, different species involved and management measures.
- VII. Explain general principles of plant disease management.
- VIII. Write a note on integrated plant disease management.

SECTION-C

- IX. Write short notes on the following :
- (a) Define disease forecasting.
 - (b) Explain eradication.
 - (c) Define pathogen.
 - (d) Etiology.
 - (e) Give any two control measures for nematodal plant diseases.
 - (f) Father of modern plant pathology.
 - (g) Name any two non-parasitic plant diseases.
 - (h) What is antibody ?
 - (i) Plant quarantine.
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