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Total No. of Printed Pages: [01]

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B.Sc. (Hons.) Agriculture (Semester-2nd)
FUNDAMENTALS OF PLANT PATHOLOGY
Subject Code: BAGRS1251
Paper ID: [21130112]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a) What is binomial nomenclature? Write its rules.
- b) Describe virus as plant pathogens.
- c) Discuss about the factors affecting disease development.
- d) Write down the short note on the fungicides
- e) Write the different forms of fungal thalli and tissues found in fungi.
- f) What is difference between disease prevention and disease control?
- g) Differentiate sedentary and migratory nematodes with example,
- h) Write down the short note on formulation.
- i) Write the mode of action of fungicides and antibiotics.
- j) Define fungi, bacteria and virus and write any one plant disease caused due to them.

Section –B

(5 marks each)

- Q2. Define plant pathology. Write a note on the scope and objectives of plant pathology.
- Q3. Describe the damaging symptoms of nematodes on host plants with their examples.
- Q4. Explain the role of enzymes, toxins and growth regulators in disease development.
- Q5. Discuss about the morphology of fungi with diagram.
- Q6. Write down the basic methods of classification and reproduction.

Section – C

(10 marks each)

- Q7. Explain the structural and biochemical defense mechanism in plants.
- Q8. Classify plant diseases bases on different symptoms with the diagram and examples.
- Q9. Discuss about principles and methods of plant disease management with suitable examples