Roll No……..….. **Total No. of Printed Pages: [01]**
Total No. of Questions: [09]

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