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Total No. of Printed Pages: [01]

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B.Sc. (Hons.) Agriculture (Semester – 5th)
PRINCIPLES OF INTEGRATED PEST AND DISEASE MANAGEMENT
Subject Code: BAGRS1551
Paper ID: [19130143]

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) Write down tools of IPM.
- b) Write down importance of IPM.
- c) Discuss in brief about history of IPM.
- d) Explain in brief plant quarantine.
- e) Write down importance of economic threshold level.
- f) Write short notes on sucking pest
- g) Discuss in brief physical methods of insect control.
- h) Describe plant disease forecasting.
- i) Define the term epidemic diseases with suitable examples.
- j) Explain the safety issues of use of pesticides.

Section – B

(5 marks each)

- Q2. Define plant disease resistant. Write different types of plant disease resistance.
- Q3. Define diagnosis and detection. Write different methods of disease diagnosis.
- Q4. What is Pest Risk Analysis? Describe different stages of pest risk analysis.
- Q5. What is survey and surveillance? Write different types of survey.
- Q6. What are the requirements for implementation of IPM?

Section – C

(10 marks each)

- Q7. Define plant diseases. Discuss in brief about importance of plant diseases.
- Q8. Discuss in brief about development of validation of IPM model with suitable examples.
- Q9. Classify insecticides on different basis. Explain each type of insecticides with suitable examples.