

Roll No.....

Total No. of Printed Pages: 1

Total No. of Questions: [09]

B. Sc. (Hons.) Agriculture, Semester-5th
PRINCIPLES OF INTEGRATED PEST AND DISEASE MANAGEMENT
Subject Code: BAGRS1-551
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. Write brief note on:

- a. What is need of IPM in present time?
- b. Disease triangle
- c. ETL & EIL
- d. Soil solarization
- e. Legislative control
- f. Component of IPM
- g. Pesticide
- h. How much losses of crop due to insect?
- i. Host plant resistance
- j. Fumigation

Section – B **(5 marks each)**

Q2. Discuss about economic importance of insect and pest diseases.

Q3. Write about the pest risk analysis in details.

Q4. Explain the forecasting of insect and diseases attack in crop field.

Q5. How to calculate the economic threshold level of insect pest in crop field?

Q6. Write a short note on safety issues in pesticide uses.

Section – C **(10 marks each)**

Q7. Describe the different methods of detection and diagnosis of insect pest and diseases.

Q8. Explain the different control methods of insect pest and diseases in details.

Q9. Define IPM module? Discuss about development, validation of IPM module and their implementation.