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Total No. of Printed Pages: 1

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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.