

End Semester/Reappear (Semester V) Examination December 2022

Programme: B. Sc. (Hons.) Agriculture
Course: Principles of Integrated Pest and Disease Management
Course Code: 13A.311
Enrollment No: _____

Full Marks: 50
Time: 2 Hrs.

Section I

- 1. Short Answer type questions. Answer any four. 4 x 5 = 20**
- Describe briefly the importance of various tools of IPM in modern agriculture.
 - Classify the pests based on level of infestation.
 - Explain in brief the mechanical methods of control for sucking pests.
 - Differentiate between Survey and Surveillance of insect pests and diseases.
 - Explain briefly GEP (General equilibrium position).
 - Analyze legal implications in IPM.

Section II

- Long answer type questions. Answer any two. 2 x 15 = 30**
- Evaluate the importance of survey surveillance and forecasting of insect pests and diseases.
 - Characterize the key pest with an example.
 - If a seasonal average of one pest plant cause a 10% reduction in yield, the market value of the crop is Rs.40 per kg fruit and you expect 5 kg fruit/plant yield, the cost of control is Rs. 450/plant, and you can count on a 75% reduction in damage with the control tactic used, then calculate Economic injury level for this pest.
 - Describe the cultural methods of control in IPM.
 - Write about the conventional pesticides method control.
 - Discuss about the Pest risk analysis and its components with examples.
