

End Semester/Reappear (Semester V) Examination December 2022

Programme: B. Sc. (Hons.) Agriculture

Course: Pest of Crops and Stored Grain and their Management

Course Code: 13A.313

Enrollment No: _____

Full Marks: 50

Time: 2 Hrs.

Section I

1. Short Answer type questions. Answer any four.

4 x 5 = 20

- a. Mention the bionomics of plant bugs. Explain in control mechanism of plant bugs.
- b. Describe the bionomics of cutworm of tuber vegetables. How will you control the cutworm of tuber vegetables?
- c. Enlist the scientific name, family, symptoms and management of Rhinoceros beetle.
- d. Briefly explain the chemical factors for managing the losses of stored grains.
- e. Analyze the diagnosis damage of cottonwood leaf beetle. How will you control the cottonwood leaf beetle in context of IPM?
- f. Apply biotic and abiotic management of stored grain crop.

Section II

Long answer type questions. Answer any two.

2 x 15 = 30

2. Describe distribution, host range, damage symptoms, bionomics and management of three major insect pests of fruit crop and mention their scientific name, order and family.
3. Plan the management of storage pest in spices and condiments.
4. Recommend the management practices for mites and plan the management practices for birds.
5. List the different species of rodent and recommend the management practices of rodent and illustrate the management practices to control store grain pests.
