

Cat. No: Ento 1202

Title: Insect Ecology and Integrated Pest Management
including Beneficial Insects (2+1)

Marks: 50.00

Time : 2 hrs

I Fill up the blanks

(10 x 1 =10)

1. The term ecology was coined by _____
2. Insects active at dusk are called _____
3. The optimum temperature for the normal development of insect is known as _____
4. _____ is the basic unit of pest management.
5. _____ is the innate ability of the population to reproduce and survive.
6. _____ are the secondary consumers.
7. Injurious insects carried from one plant to another are _____
8. Vector of Bunchy top disease of banana _____
9. _____ trap is used for assessing ground moving insects.
10. _____ is the rate at which new individuals are added to the population.

II Write short notes ANY FIVE

(5 x 2 =10)

1. Unique features of an agro eco system.
2. Life-table
3. Biotic potential.
4. Environmental resistance.
5. Basic components of Pest surveillance.
6. Advantages and disadvantages of Antifeedants.
7. Different types of Insect attractants.

III. Explain ANY FIVE of the following

(5 x 4 =20)

1. Sampling techniques for the assessment of flying insects.
2. Injury caused by internal feeders.
3. Insect repellents.
4. Influence of temperature on development of insects.
5. ETL & EIL
6. Non-feeding injury in plants by insects.
7. Types of pest population estimates.

IV. Write essay on ANY ONE

(1 x 10=10)

1. Discuss the potentials and limitations of IPM?
2. Role of Insect growth regulators and hormones in pest management?
