

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Ag. 2013 Admission

IInd Semester Final Examination- August-2014

Cat. No: Ento.1202

Marks: 50

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

Time: 2 hours

I) Fill up the blanks/Define the following

(10 x 1=10)

1. The sucking pest controlled by alternate wetting and drying in rice is _____
2. An effective egg parasitoid for sugarcane internode borer is _____
3. Fungus used for the control of rhinoceros beetle is _____
4. _____ sprayer uses electrical energy for droplet formation
5. An example for Juvenile hormone mimic is _____
6. Population dynamics
7. IPM
8. Repellent
9. Pheromone
10. Anticoagulants

II Write short notes on any FIVE

(5 x 2=10)

1. Epidemic and endemic pest
2. Pest surveillance
3. Plant quarantine
4. Granulosis Virus (GV)
5. Fungi in pest management
6. Aerosols and ULV concentrates
7. Pralinage, stem injection and padding

III Write short essays on any FIVE of the following

(5 x 4=20)

1. Effect of biotic factors on population dynamics
2. Causes of pest outbreak
3. Assessment of pest population and damage
4. Types of host plant resistance
5. Physical method of pest management
6. Parasitoids in pest management
7. Botanical insecticides

IV Write essay on ANY ONE

(1 x 10=10)

1. Classification of insecticides
2. Insect growth regulators in pest management
