



KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Ag.
Re-examination - July 2019
2015 and previous admission

Ento.2203

Pest of Crops and Stored Grains and their Management (2+1)

Marks: 50
Time: 2hours

I Fill in the blanks

(10x1=10)

- 1attacks pulse both in the field and storage.
- 2stage of the red hairy caterpillar undergoes aestivation.
- 3 transmit tungro virus in rice.
- 4is the specific pest of gourds.
- 5is pest in the adult stage in citrus.
- 6 is a major pest in onion.
- 7 Pollu beetle belongs to the family.....
- 8is a Gelechiidae attacking stored cereals.
- 9 Give scientific name for- Mango leaf webber.
- 10 Give scientific name for- Rhizome weevil of banana.

II Write Short notes on ANY FIVE of the following

(5x2=10)

- 1 Trap cropping in pest management.
- 2 Give the casual organism with nature of damage of bore hole on coconut stem with red fluid oozing.
- 3 Use of yellow sticky trap in crop pest management of crop pests.
- 4 Important pests of potato.
- 5 List the major pests of cotton.
- 6 Symptom, damage and biology of *Earias vitella* in bhindi
- 7 Importance of white flies and their management practices in vegetables.

III Answer ANY FIVE of the following

(5x4=20)

- 1 Elucidate management tactics of termites.
- 2 Enumerate the major pests of banana.
- 3 Damage symptoms and management practices of *Spodoptera litura*.
- 4 Natural enemies in rice ecosystem and need to conserve them.
- 5 Give an account of the biology, host plants, nature of damage and management tactics for *Helicoverpa armigera*.
- 6 Explain the nature of damage, biology and management of coconut rhinoceros beetle.
- 7 What are the pod borers of pulses? Explain the symptoms of damage.

IV Write an essay on ANY ONE of the following

(1x10=10)

- 1 List the various pests damaging rice crops. Describe its biology, damage symptoms, ETL and management practices recommended against them.
- 2 Enlist the important pest of Mango and write the damage, symptoms and management practices for mango nut weevil, stemborer and fruitfly.
