

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Ag. 2013 Admission

IVth Semester Final Examination- July/August-2015

Cat. No: Ento.2203

Marks: 50

Title: Pests of crops and stored grain and their management (2+1)

Time: 2 hours

I Give the casual organism for the following symptoms

(10 x 1=10)

1. ✓ Yellowing of leaves, stunting of plants, sooty mould and drying in circular patches in paddy fields
2. Bore holes in maize cob
3. ✓ Diamond shaped cut in coconut leaflets
4. Central leaf dried which can be easily pulled out, bore hole at the base of the young sugarcane plants
5. Gall in the collar region of cotton stem
6. ✓ Serpentine leaf mining in citrus
7. Moringa pods drying from the tip upwards with gummy ooze
8. Potato tubers tunneled and rotting
9. ✓ Stem and capsule of cardamom with boreholes
10. Webbing, caking of grains and presence of yellowish white larva

II Write short notes on any FIVE

(5 x 2=10)

1. List three insect pests with their systematic position attacking rice nursery
2. ✓ Distinguish the sorghum ear head bug and ear head midge
3. ✓ Name three subterranean insect pests attacking groundnut with symptoms of damage
4. ✓ Give a short account on tea mites
5. ✓ Give the biology and symptoms of damage of pollu beetle
6. ✓ Give the host range and biology of tea mosquito bug
7. Enlist three major pests of Ashwagandha with their systematic position

III Write short notes on any FIVE

(5 x 4=20)

1. Rice stem borer
2. ✓ Wheat stem sawfly
3. ✓ Cotton pink bollworm
4. Sugarcane inter node borer
5. ✓ Brinjal shoot and fruit borer
6. ✓ Potato tuber moth
7. Coffee berry borer

IV Write essay on ANY ONE

(1 x 10=10)

- ✓ 1. a) Enlist five major insect pests of coconut with their systematic position
b) Give detailed account on the coconut IPM tactics with special emphasis on biological control
- ✓ 2. a) List out five major insect pests attacking storage products with systematic position
b) Discuss on the preventive and curative methods on the management of stored product pests
