

KERALA AGRICULTURAL UNIVERSITY

B.Sc Hons (Ag) 2011 Admission
IVth Semester Final Examination- August-2013

Cat. No: Ento.2203

Marks: 80

Title: Pests of Crops & stored grain & their management (2+1)

Time: 3 hours

I. Fill up the blanks

10 x 1 = 10

1. *Platygaster oryzae* is an effective parasitoid against _____
2. Wheat varieties with _____ stem are resistant to stem sawfly.
3. Red palm weevil breeds in _____
4. _____ is an effective lepidopteran predator of sugarcane wooly aphid.
5. Mosaic disease in pulse is transmitted by _____
6. Mango nut weevil prefers the _____ stage of the fruit.
7. _____ stage of fruit piercing moth is destructive.
8. Corky growth on surface of guava fruit is caused by _____
9. Pollu beetle belongs to the family _____
10. _____ is a Gelechiidae attacking stored cereals.

Answer any TEN

10 x 3 = 30

1. Name three defoliators of rice with their systematic position.
2. Enlist three bio control agents used against coconut BHC.
3. Give the host range of *Spodoptera*.
4. Differentiate the red gram pod fly and pod wasp.
5. Give a short account on ginglyl phyllody.
6. Give the systematic position of grapevine mealy bug and its successful predator.
7. Give the host range of *Bemisia tabaci*.
8. Name a pest that attack potato both in the field and storage. with the symptoms of attack
9. Write a short note on 'Erineum on jasmine'.
10. Enlist three major pests of Ashwagandha with their systematic position.
11. Name three primary storage pests with their systematic position
12. Write a short account on " Use of traps in stored pest management" .

III Give the symptoms and management tactics for the following.

6 x 5 = 30

(any six)

1. Sorghum shoot fly.
2. Maize cob borer.
3. Cashew tea mosquito bug.
4. Sugarcane early shoot borer.
5. Citrus mite.

6. Banana pseudo stem weevil.
7. Brinjal shoot and fruit borer.
8. Cabbage diamond back moth.

IV. Write an essay on any ONE

1 x 10 = 10

1. A. Enlist any five major sucking pests of rice with their systematic position and symptom of damage.
 B. Enumerate the IPM tactics for the management of cotton sap feeders and boll worms.

2. A. Enlist any five major pests of coffee with their systematic position and symptom of damage..
 B. Enumerate the IPM tactics for the managements of cocconut rhinoceros beetle and mango stem borer.