

KERALA AGRICULTURAL UNIVERSITY

B.Sc. Hons (Ag) Degree Programme 2012 & Previous Admission

IVth Semester Final examination – July- 2016

Cat. No: Ento. 2203

Marks: 80.00

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

Time: 3 hours

I. Name the following (write scientific name)

(10 x 1 = 10)

1. A fruit sucking moth of tomato
2. A predatory bug on rice brown plant hopper
3. Vector of banana bunchy top disease
4. A pest of sweet potato that occurs both in field and storage
5. Leaves of rice seedlings roll longitudinally from the margin towards the midrib followed by drying of leaf tips – identify the pest

Match A and B

A

B

- | | |
|---------------------------------|-----------------------------|
| 6. <i>Platygasteroryzae</i> | a. Spiral egg mass |
| 7. Apple wooly aphid | b. Constricted basal locule |
| 8. <i>Aleurodicus dispersus</i> | c. Rat tail symptom |
| 9. Pod wasp | d. Root gall |
| 10. Chilli mite | e. Gall midge |

II. Write short notes on Any Ten of the following

(10 x 3= 30)

1. Nature of damage and management of ginger shoot borer
2. Nature of damage of four major coleopteran primary pests of stored grains
3. Hopper burn in paddy
4. Sorghum shoot fly
5. Tea mites and their management
6. Nature of damage and symptoms of arecanut spindle bug
7. Pepper pollu beetle
8. Give the host range of *Spodoptera*
9. Diamond back moth.
10. Gingelly phyllody
11. Bio control agents used against coconut BHC
12. Flower feeders of jasmine.

III. Answer Any Six questions

(6 x 5 = 30)

1. Nature of damage and management of melon fruit fly
2. Symptom, nature of damage and management of tea mosquito bug in cashew
3. Pod borer complex in pulses and their management
4. Borer pests of sugarcane and their management
5. Curative methods of stored product pest management
6. Four major defoliator pests of brinjal giving identifying characters of pest and symptoms
7. Boll worm complex in cotton
8. Give the symptoms and management tactics of Banana pseudo stem weevil

IV. Write essay on Any One of the following

(1x 10=10)

1. Integrated pest management in rice
2. Major pests of coconut and their integrated management