

KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Agriculture – 2008 Admission - IVth Semester
Final Examination – July-August 2010

Cat. No. : Ento 2203
 Title : Pests of Crops and Stored Grain
 and their Management (2+1)

Max. marks: 80
 Time : 3 hours

I

A. Define

(10x1 = 10)

- A1. Sporadic pest
 A2. ETL
 A3. Transgenic plants
 A4. Ecoeas crop
 A5. Insect vector

Match the following

A6.	Fish meal trap	a.	<i>Oryctes rhinoceros</i>
A7.	Yellow sticky trap	b.	<i>Scirpophaga incertulas</i>
A8.	Light trap	c.	<i>Atherigona soccata</i>
A9.	Methyl eugenol trap	d.	<i>Bemisia tabaci</i>
A10.	Aggregation pheromone trap	e.	<i>Bactrocera dorsalis</i>

II

B. Give the causal organism of any TEN with nature of damage (10x3 = 30)

- B1. Rice grassy stunt
 B2. Breaking up of wheat stem
 B3. Sorghum blasted panicle
 B4. Bore hole on coconut stem with red fluid oozing
 B5. Cashew die back symptom
 B6. Groundnut pods filled with mud
 B7. Tunnelling in the banana pseudostem
 B8. Pin hole in the navel region of coffee berry
 B9. Tunnelling in the potato tuber
 B10. Gall like swellings and woolly patches on the stems and roots of apple
 B11. Hollow berries in pepper
 B12. Caking in stored cereals

III

C. Give the management tactics on any SIX

(6x5 = 30)

- C1. Sorghum shoot fly
 C2. Whitegrub
 C3. ~~Whitegrub~~
 C4. Sugarcane early shoot borer
 C5. Diamond back moth
 C6. Whitefly
 C7. Grapevine mealybug
 C8. Onion thrips

IV

D. Write essay on any ONE

(1x 10 = 10)

- D1. List out the sucking pests and bollworms of cotton and enumerate its IPM tactics.
 D2. Differentiate primary and secondary storage pest with examples. Discuss on the preventive and curative management of the stored product pests.