

**M.Sc.(Ag.) Semester – III Examination, 2014**

**Plant Protection**

**Course : AEN – 506 (Pest of Horticultural Crops & Their Management)**

**Time: 3 Hours**

**Full Marks: 50**

*Questions are of value as indicated in the margin*

Answer *any five* questions

1. Write the scientific name with taxonomic position, nature and symptoms of damage for the following pests (*any five*): 2×5=10
  - a) White fly of beetle vine
  - b) Citrus psyllid
  - c) Banana scar beetle
  - d) Cashew stem borer
  - e) Chilli mite
  - f) Cabbage head borer
  - g) Tea mosquito bug
  - h) Sweet potato weevil
  - i) Red scale of citrus
2. Enumerate the important pests of brinjal with its taxonomic position. Briefly describe the symptoms of damage, seasonal occurrence of shoot and fruit borer of brinjal. What are the problems associated in control of this pest? Give a brief account on brinjal pest management with particular reference to brinjal shoot and fruit borer specially in endemic areas. 2+3+2+3=10
3. Describe briefly the nature and symptoms of damage and seasonal incidence of one each of lepidopteran and hemipteran pests of potato. Suggest suitable control measures for them. 4+3+3=10
4. (a) Mention the site of oviposition, nature and symptoms of damage along with the suitable management options for the melon fruit fly and red pumpkin beetle. 2+3+2=7  
(b) Briefly discuss the behaviour of population growth of woolly apple aphid. 3
5. Give a list of insect pests of mango. Discuss the seasonality of occurrence and damage symptoms of one each of hemipteran and coleopteran pests of mango. Suggest suitable control measures against these pests. 2+5+3=10

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6. Mention the important insect pests of coconut with its taxonomic position. Discuss the seasonal incidence, biology and potentiality of damage of two important coleopteran pests. Mention suitable control measures for these pests.  $2+6+2=10$
7. a) Write the nature and symptoms of damage, biology and crop loss caused by citrus fruit sucking moth and mention suitable control measures for it. 6  
b) Write a short account on litchi erineum mite. 4
8. Enumerate the important pests of tea with its taxonomic position. Describe the population dynamics of yellow mite and one lepidopteran pests of tea. Briefly discuss the symptoms of damage of these two pests. Mention suitable control measures for them.  $2+3+3+2=10$
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