



**KERALA AGRICULTURAL UNIVERSITY**  
**B.Sc.(Hons.) Ag. 2016 Admission**  
**V Semester Final Examination-February -2019**

Ento.3104

**Pests of crops and their management II (1+1)**

**Marks: 50**  
**Time: 2 hours**

- I State True or False (10x1=10)**
- 1 To manage the pollu beetles, shade in the plantation is to be regulated .
  - 2 *Cryptolaemusmontrouzieri* is released to control mealy bugs of coffee.
  - 3 In cardamom bore hole on the pseudo stem, berries with accumulation of faecal pellets symptoms are caused by *Conogethes punctiferalis*.
  - 4 Tea mosquito bug *Helopeltis antonii* belongs to the family Pyralidae.
  - 5 Application of *Beauveria bassiana* to FYM pits to kill the rhinoceros beetles.
  - 6 Erineum on leaf, petiole and stem of jasmine is due to *Aceria cajani*.
  - 7 The rhinoceros beetle infestation is seen throughout the year.
  - 8 The discolouration on coconuts and the market value of nuts are affected by *Aceria guerreonis*.
  - 9 *Conogethes punctiferalis* belongs to family Psyllidae.
  - 10 Small holes in leaves and berries of black pepper is due to pollu beetles.
- II Write Short notes on ANY FIVE of the following (5x2=10)**
- 1 Management of rhinoceros beetles in coconut orchard.
  - 2 Pests of tea and coffee.
  - 3 Black headed caterpillar.
  - 4 Pests of house hold.
  - 5 Components of IPM.
  - 6 Key pests of flower crops.
  - 7 Major pests of arecanut with their systematic position, (any four).
- III Answer ANY FIVE of the following (5x4=20)**
- 1 Coffee berry borer
  - 2 Write scientific name, nature of damage and management practices of coconut eriopyid mite.
  - 3 Problems of storage of agricultural products in India.
  - 4 Enlist the pests of medicinal plants and their control measures.
  - 5 Tea mosquito bug in cashew nut, nature of damage and control measures.
  - 6 List out the pests in cocoa and explain the nature of damage by any two pests.
  - 7 Livestock pests.
- IV Write an essay on ANY ONE of the following (1x10=10)**
- 1 Management of pests of stored grain products.
  - 2 List out the pest details in pepper and details on biology, damage symptom and management of any two pests.

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