

KERALA AGRICULTURAL UNIVERSITY
B.Sc.(Hons.) Agriculture – 2007 Admission – VIth Semester
Final Examination – June - July 2010

Cat. No. : Ento 3204

Title : **Plant Parasitic Nematodes, other non insect pests
and their Management (1+1)**

Max. marks: 80

Time : 3 hours

I. a) Write scientific names / match the following (5x1 = 5)

- 1.) Coconut mite:
- 2.) Rice panicle mite :
- 3.) Banana burrowing nematode:
- 4.) Giant African snail :
- 5.) Indian field mouse :

b.) Match the following (5x1 = 5)

- 1.) Organochlorines - Hot water treatment
- 2.) Owl - Oil cakes
- 3.) Crabs - Metaldehyde
- 4.) White tip nematodes-Dicofol
- 5.) Snails - rats

II. Write short notes / answers on ANY TEN (10x3=30)

- 1.) Cyst nematodes (With Sci. name) and their management
- 2.) Predatory mites – write three examples (With Sci. name)
- 3.) Three acaricides
- 4.) Three predatory Birds on insects with scientific name
- 5.) Nematode pests of citrus and their management
- 6.) Mite pests in flower crops and their management
- 7.) Draw mite structure and label its parts
- 8.) Rats – common control measures
- 9.) IPM in nematodes control
- 10.) Types of Rat poisons –with examples
- 11.) EPN Nematodes – give three examples
- 12.) Squirrels as pests in Agriculture

III.) Write short essays on ANY SIX of the following (6x5=30)

- 1.) Nematode pests of vegetable crops and their management
- 2.) Nematode pests in cereals , their biology and their management
- 3.) Avian pests of agriculture and their prophylactic measures

- 4.) Plant parasitic Nematodes structure, biology and reproduction
- 5.) Mites classification, biology and reproduction
- 6.) Mite pests in vegetables with their biology and management
- 7.) Snails and slugs biology, behaviour and management
- 8.) Mites in plantation crops with their biology and management

IV.) Write essay on ANY ONE (1 × 10 = 10)

- 1.) Rodents pests : biology, burrowing habits and their integrated management
- 2.) Mites in Agriculture – Biology, external morphology, characters and their integrated management