



KERALA AGRICULTURAL UNIVERSITY
B. Sc. (Hons.) Ag. 2015 Admission
VI Semester Final Examination- July -2018

Ento.3204 Plant Parasitic Nematodes, other non insect pests and their management (1+1)
Marks: 50

Time: 2 hours
(10x1=10)

I Fill in the blanks:

- 1 Barrier strips of common salt can be used for the management of -----
- 2 ----- stylet in nematodes derives from fusion of stomatal lining
- 3 *Aphelenchoides besseyi* is classified under the Order -----
- 4 The rat species found only in Kerala is -----
- 5 Mite occurring in mango is -----

State True or False

- 6 Predatory mites cannot be used to manage some common injurious tetranychid mites
- 7 Substances and devices that cause pest species to avoid the otherwise attractive materials are called repellents
- 8 Nematodes possess respiratory system
- 9 Spider mites could be managed by retaining plants well irrigated and fertilized
- 10 *Xiphinema* causes fish hook symptom in root

II Write Short notes on ANY FIVE of the following (5x2=10)

- 1 What are foliar nematodes? Give examples
- 2 Describe the glandular excretory system of nematodes
- 3 Name two important nematodes of citrus and symptoms they cause
- 4 Describe two important morphological features of rodents
- 5 Write scientific names of Norway rat and House rat
- 6 Describe visual deterrents of birds with examples
- 7 Mention two families of Acarina transmitting plant diseases

III Answer ANY FIVE of the following (5x4=20)

- 1 Write the important characteristics of Phylum Nematoda
- 2 Describe female reproductive system of nematode with diagram
- 3 Explain about physical methods of nematode management with examples
- 4 Describe the biology of two spotted spider mites
- 5 List out the tea mites with scientific name and write about management of these mites
- 6 Write about management practices for snails
- 7 Explain how to manage bird pests

IV Write an essay on ANY ONE of the following (1x10=10)

- 1 What are the important nematodes infesting banana? Write in detail the symptoms, biology and management of these nematodes.
- 2 Name the eriophyid mite pests occurring in Kerala. Narrate the history, mode of spread, symptoms and management of Coconut eriophyid mite.
