



KERALA AGRICULTURAL UNIVERSITY

B.Sc. (Hons.) Ag.

Re-examination- July -2019

2015 and previous admission

Ento.3204 Plant Parasitic Nematodes, other Non Insect Pests and their Management Marks: 50
(1+1)

Time: 2 hours

I Fill in the blanks (10x1=10)

- 1 Greek words 'Nema+oides means+.....
- 2 Pesticide used as chemical nematocides is
- 3 In *Tylenchulus semipenetrans*, the gelatinous matrix secreted by.....
- 4 Toppling of banana disease is caused by.....nematode.
- 5 Mustard and marigold are called ascrops against nematodes.
- 6 Systems are absent in phytonematodes.....and.....
- 7 Yellow slime/yellow ear rot disease caused by the interaction of..... and.....
- 8 Lemon shaped female nematodes present in the genera
- 9present in phytonematodes but absent in free living/saprophytic nematodes.
- 10 mites have only two pairs of legs.

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

- 1 Nematology.
- 2 Moulting.
- 3 Bilateral symmetrical.
- 4 Parthenogenesis.
- 5 Bi-nomenclature/Binomial nomenclature.
- 6 Poison bait.
- 7 Key point of detection of rodent infestation.

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

- 1 Soil solarization.
- 2 Differentiate between root-knot and root-nodules.
- 3 Differentiate between *Tylenchina* and *Aphelenchina*.
- 4 Differentiate diagnostic features between Tetranychidae and Eriophidae mites.
- 5 Difference between fumigants and non fumigants.
- 6 Symptoms caused by phytophagous mites.
- 7 Draw a label diagram of female plant parasitic nematodes.

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

- 1 Integrated nematode management in tomato.
- 2 Symptoms caused by phytonematodes.
