**MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE**
**SEMESTER END EXAMINATION**
**B.Sc. (Hort.)**

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|---|---|---|---|---|---|
| **Semester** | : **VI (Old)** | **Term** | : **II** | **Academic Year** | : **2018-19** |
| **Course No.** | : H/ENTO 364 | **Title** | : **Nematode, Pests of Horticultural Crops and their Management** | | |
| **Credits** | : 2 (1+1) | | | | |
| **Day & Date** | : Wednesday, 08.05.2019 | **Time** | : 14.00 to 16.00 | **Total Marks** | : **40** |

**Note :**
1. Solve **ANY EIGHT** questions from **SECTION "A".**
2. All questions from **SECTION "B"** are compulsory.
3. All questions carry equal marks.
4. Draw neat diagrams wherever necessary.

**SECTION "A"**

Q.1 State the general characteristics of plant parasitic nematodes.

Q.2 Write about historical developments in the field of phytonematology.

Q.3 Give scientific name, nature of damage and management practices for citrus nematode.

Q.4 Write symptoms of nematode damage on above ground plant parts with one example each.

Q.5 Define nematode and describe the economic importance of plant parasitic nematodes.

Q.6 Give the symptoms and damage with management practices for reniform nematode infesting vegetables.

Q.7 Describe in brief about male reproductive system of nematode with well labeled diagram.

Q.8 Explain in detail the cultural method of nematode management.

Q.9 Write short notes.

a) Pseudocoelom b) Burrowing nematode of banana

Q.10 Write management strategies for the following nematodes.

a) Golden nematode of potato b) Root knot nematode

**SECTION "B"**

Q.11 Do as directed.

1) Who is the Father of nematology?
2) Name any two chemical nematicides.
3) Name the systems lacking in nematodes.
4) Write the scientific name of potato cyst nematode.

Q.12 Match the following pairs.

| **'A'** | **'B'** |
|---|---|
| 1) Stem and bulb nematode | a) *Rhadinaphelenchus cocophilus* |
| 2) Root lesion nematode | b) *Aphelenchoides rizemabosi* |
| 3) Red ring nematode | c) *Pratylenchus coffeae* |
| 4) Chrysanthemum foliar nematode | d) *Ditylenchus dipsaci* |

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