

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE  
SEMESTER END THEORY EXAMINATION

**B.Sc.(Hons.) Horticulture**

[Fifth Deans' Committee Recommended Syllabus]

Semester	: VI	Term	: Second	Academic Year	: 2024-25
Course No.	: H/ENTO 365	Title	: Nematode Pests of Horticultural Crops and their Management		
Credits	: 2(1+1)				
Day & Date	: Tuesday, 22.04.2025	Time	: 14:00 to 16:00 hrs.	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 diagram wherever necessary.

**SECTION 'A'**

- Q.1 Write the historical development of Phytonematology in India.
- Q.2 Give the scientific name, nature of damage and management practices for golden nematode of potato.
- Q.3 Write the symptoms of nematode damage on under-ground plant parts with examples.
- Q.4 Give the symptoms and damage with management practices for root knot nematode infesting vegetables.
- Q.5 Write the management strategies for the following nematodes:
- a) Citrus nematode
  - b) Reniform nematode
- Q.6 Enlist different nematode species infesting banana crop and describe in brief the management practices for burrowing nematode of banana.
- Q.7 Classify the nematodes on the basis of parasitism with suitable examples.
- Q.8 Describe in brief the structure of body wall of nematode.
- Q.9 Write the economic importance of plant parasitic nematodes with examples.
- Q.10 Write short notes on (Any Two):
- a) General characteristics of plant parasitic nematodes
  - b) Stomodaeum of digestive system of nematode
  - c) Hatching of nematode

**SECTION 'B'**

- Q.11 Match the pairs:

'A'	'B'
1) Reniform nematode	a) Earcockle disease in wheat
2) Seed gall nematode	b) Citrus decline
3) <i>Meloidogyne</i> species	c) <i>Rotylenchulus reniformis</i>
4) <i>Tylenchulus semipenetrans</i>	d) Galls on the root system

- Q.12 Fill in the blanks:

- 1) Lettuce and Radish are used as trap crops for the management of \_\_\_\_\_ nematode.
- 2) Nematodes do not have well defined respiratory system and \_\_\_\_\_.
- 3) Central Potato Research Institute, Shimla was established in the year, \_\_\_\_\_.
- 4) The first plant parasitic nematode was discovered by \_\_\_\_\_.

