MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Horticulture

Semester	: VI (New)	Term	: Second	Academic Year	: 2023-24
Course No.	: HENTO 365	Title	: Nematode Pests of Horticultural Crops and their Management		
Credits	: 2 (1+1)				
Day & Date	: Friday, 03.05.2024	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 Define Nematology and describe the general characteristics of plant parasitic nematodes.

Q.2 Describe the structure of body wall of plant parasitic nematode.

Q.3 Enlist different methods of nematode management and describe in detail cultural method.

Q.4 Explain interaction of plant parasitic nematode with virus and bacteria.

Q.5 Give the different symptoms of nematode damage on below ground parts with one example each.

Q.6 Classify Phylum Nematoda upto Order. Differentiate between Class Secrementea and Class Adenophorea.

Q.7 Give the history of Nematology in India.

Q.8 Give the scientific name, symptoms and management practices for citrus nematode.

Q.9 Write management strategies for the following nematodes:

a) Golden nematode of potato b) Chrysanthemum foliar nematode

Q.10 Give the scientific name, nature of damage and management practices for burrowing nematode of banana.

SECTION 'B'

Q.11 Do as directed:

1) Who is known as the 'Father of American Nematology'?

2) Grape fan leaf disease is transmitted by_____.

3) Define: Nematicides

4) Name the systems lacking in nematodes.

Q.12 Match the pairs:

'A'	'B'
1) Root-knot nematode	a) *Rotylenchulus reniformis*
2) Stem and bulb nematode	b) *Globodera rostochiensis*
3) Cyst nematode	c) *Ditylenchus* spp.
4) Reniform nematode	d) *Meloidogyne* spp.

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