MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Hort.)

Semester	: VI (Old)	**Term**	: II	**Academic Year**	: 2017-18
Course No.	: H/ENTO 364	**Title**	: Nematode Pests of Horticultural Crops and their Management		
Credits	: 2 (1+1)				
Day & Date	: Thursday, 03.05.2018	**Time**	: 09.00 to 11.00	**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.

Shri Shivaji College of Horticulture
Library Department

SECTION "A"

Q.1 Define nematode. Classify the nematodes on the basis of habitat with example.

Q.2 Write economic importance of plant parasitic nematodes with examples.

Q.3 State general characters, symptoms and management practices of root knot nematode infesting brinjal.

Q.4 Draw neat labeled diagram and give brief account of female reproductive system.

Q.5 Enlist different methods of nematode management and describe physical method.

Q.6 Describe with neat labeled diagram the cuticular layers of adult phytonematode.

Q.7 Write general characters, symptoms and management practices of citrus nematode.

Q.8 Write historical development of phytonematology in India.

Q.9 Write short notes (Any Two).

a) *Rotylenchulus reniformis*

b) Cultural methods of nematode management

c) Dagger nematode in grapevine

Q.10 State scientific name, symptoms and management practices of cyst nematode of potato.

SECTION "B"

Q.11 Fill in the blanks.

1) Mature female of root knot nematode is _____ shaped.
2) Two muscle cells in each chordal zone of muscle layer is called _____.
3) _____ is called Father of nematology.
4) *Rhadinaphelenchus cocophiolus* causes _____disease in coconut.

Q.12 Answer the following.

1) Give function of spicule.
2) State the region of nematode body that bears phasmids.
3) What is pseudocoelom?
4) Name the phylum of nematode.

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