

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Agri.)

Semester	: VI (New)	Term	: II	Academic Year	: 2016-17
Course No.	: ENTO 364	Title	: Introductory Nematology		
Credits	: 2 (1+1)				
Day & Date	: Tuesday, 09.05.2017	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.

SECTION "A"

- Q.1 Give the different symptoms of nematode damage on below ground plant parts with one example each.
- Q.2 Define Nematology. Enlist general characteristics of plant parasitic nematodes.
- Q.3 Describe the structure of body wall of plant parasitic nematode.
- Q.4 Enlist different methods of nematode management. Write in detail about physical method.
- Q.5 Explain in short different cultural methods of nematode management.
- Q.6 Describe the classification of plant parasitic nematodes on the basis of habitat with one example each.
- Q.7 Give the history of Nematology in India.
- Q.8 Write down important symptoms of Root knot nematode and Citrus nematode.
- Q.9 Give taxonomic position of Root knot nematode and Burrowing nematode.
- Q.10 Give economic importance of nematodes in agriculture.

SECTION "B"

- Q.11 Match the following pairs.

'A'

- 1) Burrowing nematode
- 2) Golden cyst nematode
- 3) Necrosis in coconut stem
- 4) Ear cockle disease of wheat

'B'

- a) Potato
- b) *Rhadinaphelenchus cocophilus*
- c) *Anguina tritici*
- d) Toppling disease of banana

- Q.12 Fill in the blanks:-

- 1) When the nematodes have two ovaries, it is called _____.
- 2) The phylum Nematoda is divided in two classes _____ and _____.
- 3) Grape fan leaf disease is transmitted by _____.
- 4) Spreading decline disease in Citrus is caused by _____.

