Dr. PANJABRAO DESHMUKH KRISHI VIDYAPEETH, AKOLA

COMPARTMENT THEORY EXAMINATION

B.Sc.(Hons.) Horticulture

Semester	**: VI (New)**	**Term**	**: II**	**Academic year: 2022-23**
Course No	**: H/ENTO-365**	**Title**	**: Nematode Pests of Horticultural**	
Credits	**: 2 (1+1)**		**Crops and their management**	
Day and Date	**: Wed. 22.11.2023**	**Time**	**: 10.30-12.30**	**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 Write general characteristics of plant parasitic nematodes.

Q. 2 Give scientific name, nature of damage and management practices for golden nematode of potato.

Q. 3 Classify the nematodes on the basis of parasitism with suitable examples.

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

Q. 5 Write the economic importance of plant parasitic nematodes in horticulture.

Q. 6 Enlist the different nematode species infesting banana crop and describe in brief management practices for burrowing nematode of banana.

Q. 7 Give the symptoms and damage with management practices for root knot nematode infesting vegetables.

Q. 8 Write management strategies for the following nematodes.
1) Citrus nematode 2) Reniform nematode

Q. 9 Describe in brief the structure of body wall of nematode.

Q. 10 Write short notes on.
1) History of phytonematology 2) Stomodaeum of digestive system of nematode

SECTION "B"

Q. 11 Fill in the blanks.
1) The first plant parasitic nematode was discovered by ……..
2) Nematodes do not have respiratory system and ……
3) ..... nematode rank first as far as damage to the horticultural crop is concerned.
4) Nematodes belong to the phylum …….

Q. 12 Match the pairs.

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

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