

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. Agriculture (2014 & Onwards) (Sem.-7)

PLANT NEMATOTOLOGY

Subject Code : BSAG-PP 706

Paper ID : [74868]

Time : 3 Hrs.

Max. Marks : 30

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying ONE mark each.
2. SECTION-B contains FIVE questions carrying 2¹/₂ (Two and Half) marks each and students has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying FIVE marks each and students has to attempt any TWO questions.

SECTION-A

- Q1. a) Write down the name of nematode and disease transmit by it - Needle nematode.
- b) "Nematodes prefer wet and heavy soil" give your comments.
- c) What you mean by sedentary nematodes?
- d) Give your comments on duration of life cycle of Xiphinema index.
- e) Give your comments on reproduction in cyst forming nematode.
- f) What is Ecto- parasite nematode? Explain with example.
- g) "Nematode as a vector", give your comments.
- h) Why you study nematology?
- i) Write down the name of nematode and disease transmit by it-Dagger nematode.
- j) Write down the name of nematode and disease transmit by it - Stubby root nematode

SECTION-B

- Q2 Describe the most distinguished symptoms of the following :
(i) Root knot of vegetables (ii) Golden cyst of potato.
- Q3 Write characteristic features of Ditylenchus and Radopholus genera.
- Q4 Write a detailed note on the life cycle of seed gall nematode.
- Q5 Differentiate between Heterodera and Globodera genera.
- Q6 Write the important characteristics of Plant parasitic nematodes.

SECTION-C

- Q7 Draw well labeled diagram.
- a) A typical male and female plant parasitic nematode.
 - b) Oesophagus of Croconemtoides and Dorylaimus.
- Q8 a) How plant parasitic nematode enter their hosts?
b) Give brief account on major historical events that led to development of nematology in India.
- Q9 Write note on :
- a) Cultural management of plant parasitic nematodes.
 - b) Role of Resistant Varieties in nematode management.