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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Agriculture) (Sem.-7)

PLANT NEMATOTOLOGY

Subject Code : BSAG-PP-706

M.Code : 74868

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A**Q1. Write briefly :**

- a) What is nematology? Who 1st describe plant pathogenic nematode?
- b) What is plant disease management?
- c) How you will differentiate nematode diseases from viral diseases in the field?
- d) What is parthenogenic reproduction?
- e) What is the function of stylet?

Differentiate the following :

- f) Endo- parasite and Ecto- parasite
- g) Resistance and Tolerance
- h) Inoculum and Inoculum potential
- i) Eradicant and Protectant
- j) Nematicide and fungicide

SECTION-B

- Q2 Explain the relationship of bacteria and nematode in causing yellow ear rot in wheat. How you manage them?
- Q3 a) Describe life cycle of plant parasitic nematode in detail.
b) Explain with example how the seed treatment is effective and cheaper control method?
- Q4 Write characteristic features of *Ditylenchus* and *Radopholus* genera.
- Q5 Differentiate between *Tylenchulus* and *Pratylenchus* genera.
- Q6 Write brief note on nematode as vector of plant Pathogens.

SECTION-C

- Q7 Describe in detail the symptoms, causal organism, disease cycle and management of root knot diseased in vegetables.
- Q8 Give short notes on :
- a) Physical methods
 - b) Biological methods
 - c) Cultural methods of control
- Q9 How plant parasitic nematode enter their hosts? Briefly discuss the factors influencing their dispersal? Give classification of any three nematodes.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.