



**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)
MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR**

FIRST YEAR SCOND SEMESTER EXAMINATION

MASTER OF SCIENCE IN PLANT HEALTH

COURSE CODE: APH 817

COURSE TITLE: PLANT NEMATOLOGY

DATE: 19.04.2024

TIME: 11.30-1.30PM

INSTRUCTION TO CANDIDATES

Answer all questions in section A and 2 questions from section B

TIME: 2 hours

MMUST observes ZERO tolerance to examination cheating

This paper consists of 2 printed pages. Please Turn Over

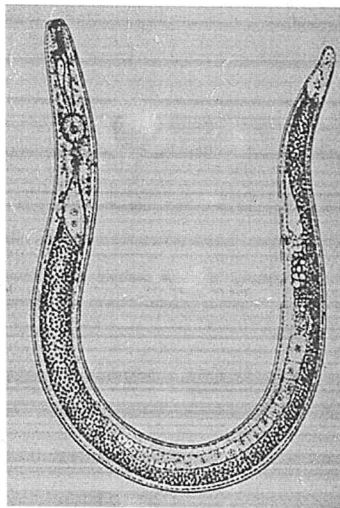


Answer All Questions in Section A (30 Marks) and TWO in section B, (30 Marks)

- I Give a historical perspective of plant parasitic nematodes. How are they different from other crop pests? (5 marks).
- 2 Discuss dissemination, survival mechanisms and ecology of plant parasitic nematodes (10 marks).
- 3 Demonstrate using diagrams, how to sample nematodes from both soil and plant material for identification (5 marks)
- 4 Discuss nematode problem in sugarcane (5 marks).
- 5 Discuss nematode problem in four vegetables (5 marks)

Answer 2 questions from section B

- 1 Classify Plant parasitic nematodes to the Genera level . (15 marks)
- 2 Name the important parts of a female Melydogyme sp.parasite . (15marks).



3

Identify and Label the above nematode , (15marks)

- 4 Name the seven principles of pest control and state how you would use some of them for the control Nematode Plant parasites (15marks)