

W1-2-60-1-6

**JOMO KENYATTA UNIVERSITY**

**OF**

**AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2020/2021**

**THIRD YEAR SECOND SEMESTER SPECIAL/ SUPPLIMENTARY EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MICROBIOLOGY**

**SBT 2385: NEMATOLOGY**

**DATE: MAY 2021 TIME: 2HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE (COMPULSORY) AND OTHER TWO QUESTIONS**

**QUESTION ONE (30 MARKS)**

1. Describe a phyronematode. [2 marks]
2. Explain the importance of Turbervill Needham 1743 and Julius Kuhn 1870 – 1910 in nematology. [4 marks]
3. Explain the meaning of “L” and “T” abbreviations used in morphometric profiling of nematodes. [2 marks]
4. Describe TWO nematodes of quarantine importance. [4 marks]
5. Outline the ways in which nematodes can increase their chances of survival. [6 marks]
6. Why are plant nematodes generally overlooked as plant pathogens. [6 marks]
7. Outline the functions of cuticle in nematodes. [6 marks]

**QUESTION TWO (20 MARKS)**

Discuss TWO general \*\*\* of endoparasitic nematodes.

**QUESTION THREE (20 MARKS)**

Discuss why knowledge on biology of nematodes is important.

**QUESTION FOUR (20 MARKS)**

Discuss the procedure used in the estimation of nematode numbers in a citrus crop field.