



KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

**THIRD YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF
BACHELOR OF EDUCATION SCIENCE
SECOND SEMESTER 2022/2023
(JUNE - SEPTEMBER, 2022)**

ZOOL 341: HELMINTHOLOGY

SECTION A

1. Using an example discuss **FIVE** economic importance of helminthes (5marks)
2. Exposure of humans to helminthes may occur in different ways. Using example elaborate (5marks)
3. Define the following terms as used in this unit (6marks)
 - a. Tenesmus
 - b. Infective stage
 - c. immunocompromized individuals
 - d. nocturnal
 - e. sheath
 - f. diurnal
4. State **FOUR** differences and **FOUR** similarities of *Wuchereria bancrofti* and *Onchocerca volvulus* (8marks)
5. Discuss briefly the immunology of helmith infections (5marks)
6. Briefly describe the life cycle of *Echinococcus granulosus* (6marks)
7. Differentiate between *Taenia saginata* and *Taenia solium* (5marks)

SECTION B

1. Briefly discuss intestinal nematodes with tissue stage (15marks)
2. A patient who was taken to KTRH was found to be suffering from terminal haematuria and painful micturition.
 - a. Which disease was the patient likely to be suffering from (1mark)

- b. Which parasite causes the above disease (1mark)
 - c. Discuss the habitat, life cycle and the distribution of the above disease (13marks)
3. Discuss the life cycle and clinical presentation of the eye worm (15marks)