

**W1-2-60-1-6**

## JOMO KENYATTA UNIVERSITY

**OF**

**AGRICULTURE AND TECHNOLOGY**

# University Examinations 2016/2017

**YEAR 4 SEMESTER II EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE**

**SZL 2406: PARASITOLOGY II**

**DATE: June 2017 TIME: 2 HOURS**

**Instructions: Answer Question One (Compulsory) and Any Other Two Questions. Illustrate Your Answers With Well Labeled Diagrams Where Appropriate.**

**QUESTION ONE (30 MARKS)**

1. State the main characteristics of phylum *Platyhelminthes* (6marks)
2. Outline the differences between *Taenia solium* and *Taenia saginata.* (6marks)
3. Describe three types of bladderworms among cestodes (6marks)
4. Describe five factors that may influence the transmission of hookworm infection in a community. (6marks)
5. Describe the clinical symptoms of *Fascioliasis* in man (6marks)

**QUESTION TWO (20 MARKS)**

Discuss *Schistosoma* species with reference to the distinguishing features, life cycle, pathology of both urinary and intestinal schistosomiasis (20marks)

**QUESTION THREE (20 MARKS)**

Describe the biology of *Diphyllobothrium latum*, the clinical symptoms and control of the disease caused. (20marks)

**QUESTION FOUR (20 MARKS)**

Describe the morphology, lifecycle of *Ascaris lumbricoides* and the pathology of ascariasis. (20marks)

**QUESTION FIVE (20 MARKS)**

Discuss *Wuchereria bancrofti* with respect to its life cycle, epidemiology, pathology and chemotheraphy. (20marks)