



# KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2010/2011

INSTITUTE OF OPEN LEARNING

EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

**SZL 406: MEDICAL HELMINTHOLOGY**

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**DATE: SATURDAY 5<sup>TH</sup> FEBRUARY 2011**

**TIME: 8.00 A.M. - 10.00 A.M.**

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## **INSTRUCTIONS**

Maximum marks are in proportion to the recommended times to be spent on each section.

Within each section **ALL** questions carry equal marks.

Illustrate your answers with diagrams and give examples where appropriate.

## **SECTION A: Answer ALL questions (40 MARKS)**

1. Describe the functions of trematode tegument.
2. Illustrate the female reproductive system of a nematode.
3. Explain the measures applied in the prevention and control of Schistosomiasis.
4. Explain the following terms:-
  - a) Hemoptysis
  - b) Haematuria
  - c) Dysuria
  - d) Hydroureter
  - e) Hepatosplenomegaly

5. Describe briefly the symptoms of *taeniasis* in humans.
6. Describe the laboratory diagnosis and treatment of *lymphatic filariasis*.
7. Describe the morphological features of an adult *Echinococcus granulosus*.
8. Explain the effects of migrating *Ascaris lumbricoides* larvae in human host.

**SECTION B - Answer ONE question (30 MARKS)**

9. Describe the methods used in the prevention and control measures of helminth infections in a slum such as Kibera.
10. Write an essay on human filariasis.