

BOWEN UNIVERSITY, IWO
DEPARTMENT OF BIOLOGICAL SCIENCES

2010/2011 FIRST SEMESTER EXAMINATION

ZLY 404: PARASITOLOGY
THEORY

Answer any **three** questions.

Time: 2hrs 15 mins

1. Discuss the life cycle, epidemiology and control of *Dracunculus medinensis*.
(25 Marks)

2. (a) Describe the life cycle, pathogenesis and epidemiology of a blood flagellate that can affect the cerebrospinal fluid of man
(b) State **five** reasons why parasitic diseases are prevalent in tropical Africa.
(25 Marks)

3. (a) Discuss the life cycle of a filarial parasite whose vector is mosquito of the genus *Anopheles*
(b) Explain briefly, **five** ways by which control or eradication of parasites in the tropics can be achieved.
(25 Marks)

4. (a) Describe the **three** phases in the life cycle of *Strongyloides stercoralis*
(b) Explain briefly, **five** ways by which the faecal – oral transmission cycle of parasites can be broken to ensure control.
(25 Marks)

5. (a) Enumerate the symptoms of schistosomiasis caused by *Schistosoma mansoni*
(b) Using annotated diagrams only, outline the life cycle of a named parasitic Platyhelminths.
(25 Marks)