



FACULTY OF SCIENCE

DEPARTMENT OF ZOOLOGY

MODULE ZOO2A10

CAMPUS APK

SSA EXAM JULY 2014

DATE:

SESSION:

ASSESSOR(S):

DR JC VAN DYK

INTERNAL MODERATOR:

DR L MOKAE

DURATION: 1 HOUR 30 MIN

MARKS: 75

NUMBER OF PAGES: 1 PAGE

INSTRUCTIONS: Answer all the questions.

QUESTION 1

Discuss the **antibody-mediated immune response** and also refer to the specific cytokines involved. (20)

QUESTION 2

Discuss *Giardia intestinalis* infection in terms of **pathogenesis, diagnosis and treatment**. (15)

QUESTION 3

Describe in detail the life cycle of *Echinococcus granulosus*. (15)

QUESTION 4

The **pathogenesis** associated with the Ancylostomidae can generally be divided into three phases. Discuss this statement in detail. (15)

QUESTION 5

Parasitic **crustaceans of fish** have specific **morphological adaptations/features for adhesion** to their fish hosts. Discuss this statement by referring to the different examples you have studied. (10)

(75)
