



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA
Third Examination for Medical Degrees – Part 1
July 2006
PARASITOLOGY

Friday 07th July, 2006

10.30 am to 12.30 pm (2 hours)

Answer all four questions.

Illustrate your answers with labelled diagrams, wherever necessary.

Answer each question in a separate answer book.

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1. A 37-year old engineer from Galle who returned after a three week visit to Kenya was having fever spikes and brownish-black coloured urine one week after his return. He was admitted to Teaching Hospital, Karapitiya. On examination he was found to be icteric and the liver was felt 3cm below the right costal margin and was suspected of having a parasitic infection.
 - 1.1 Name the possible parasite(s) likely to be responsible for this clinical presentation. (10 marks)
 - 1.2 List possible complications that could have occurred if treatment had been delayed. (15 marks)
 - 1.3 Describe the pathological features of the complications mentioned in 1.2. (50 marks)
 - 1.4 How would you have advised him if he had come to see you before he left for Kenya? (25 marks)
 2. Briefly describe the following.
 - 2.1 Auto infection of human parasitic diseases. (50 marks)
 - 2.2 Possible clinical manifestations of filarial infections in a 30 year old man who has been living in Matara from his childhood. (50 marks)
 3. As a medical officer what advice would you give for the following scenarios?
 - 3.1 A 40 year old female teacher having lymphoedema of her right foot. (25 marks)
 - 3.2 A 15 year old male student living in a hostel complains of pruritus ani especially at night. A helminth infection is strongly suspected. (25 marks)
 - 3.3 A Public Health Inspector reports an increasing trend of Breteau Index in the Galle municipality area. (25 marks)
 - 3.4 A middle aged man presents with repeated episodes of diarrhoea due to amoebiasis. (25 marks)
 4. A 60 year old farmer from Weerawila was admitted to the General Hospital, Hambantota with a history of snake bite four hours ago. On examination he was found to have an irregular pulse.
 - 4.1 Describe the management of this patient. (40 marks)
 - 4.2 List the clinical features of envenomation. (30 marks)
 - 4.3 What advice would you give this patient to avoid further snake bites? (30marks)
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