



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE
Third Examination for Medical Degrees – Part I
March 2017
PARASITOLOGY – Paper II

Wednesday 22nd March, 2017
p.m.

10.30 a.m. to 12.30

(2 hours)

Answer all four questions
Illustrate your answers with labeled diagrams wherever necessary
Answer each question in a separate book

-
1. Describe the best possible **drug management, follow up and methods of prevention** that you would apply in the following case scenarios.
 - 1.1 A 5-year old child with growth retardation presenting with watery diarrhoea. Direct smear of a fresh faecal sample shows large number of parasites with typical fallen leaf movement. (35 marks)
 - 1.2 A 46-year old alcoholic fisherman is having tender hepatomegaly. The ultra sound scan of the abdomen reveals a right lobe hepatic abscess. A parasitological disease is suspected. (35 marks)
 - 1.3 An HIV/AIDS patient presenting with a history of watery diarrhoea of three days duration. A parasitological disease is suspected. (30 marks)
 2. A 55-year old female from Galle developed pain and redness over the right arm after severe axillary lymphadenopathy on the same side. A palpable vessel was detected over medial aspect of the right upper arm. Circulatory filarial antigen (CFA) test was positive.
 - 2.1 Name the most possible filarial worm which could cause this pathology. (10 marks)
 - 2.2 Describe the pathophysiology of the above clinical presentation. (30 marks)
 - 2.3 Why the CFA test was positive in this patient? (20 marks)
 - 2.4 Describe how you would manage this patient. (40 marks)
 3. Write short notes on
 - 3.1 pet associated parasitic diseases. (50 marks)
 - 3.2 auto-infection due to parasites. (50 marks)
 4. A 20-year old mother in the 1st trimester of her first pregnancy was admitted to Mahamodera Teaching Hospital complaining of high grade fever with chills and rigors. Examination revealed a viable foetus and conscious level was fast declining. Thin blood film for malaria showed field full of ring stages.
 - 4.1 What is the most possible parasitological diagnosis? (10 marks)
 - 4.2 Briefly discuss the pathophysiology of above clinical presentation. (50 marks)
 - 4.3 How would you treat this patient? (40 marks)
