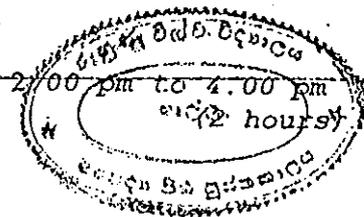




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**FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE.**  
**Third Examination for Medical Degrees – Part 1**  
**January 2004**  
**PARASITOLOGY**

Friday 30<sup>th</sup> January, 2004



**Answer all four questions.**

**Answer parts A and B in separate answer books.**

**Illustrate your answers with labelled diagrams wherever necessary.**

**Part A**

1. A 52 year-old manual labourer was admitted to the Teaching Hospital, Karapitiya with high fever (39°C) and right-sided abdominal pain. The pain was radiating to the right shoulder getting worsened with cough. Examination revealed a tender enlarged liver.
  - 1.1 What is the most likely parasite to cause the above clinical features and give the most likely clinical condition. (10 marks)
  - 1.2 Describe the pathogenesis of the above condition. (50 marks)
  - 1.3 Briefly discuss the investigations and methods of prevention of this parasitic infection. (40 marks)
2. Explain how (a) history (b) clinical examination and (c) investigations would help you in the diagnosis of the parasitic infection/s, infestation/s in patients with following clinical presentations.
  - 3.1 A five year-old child with perianal itching (30 marks)
  - 3.1 A man having episodic attacks of descending erythematous patches with adenolymphangitis and fever. (35 marks)
  - 3.2 A 15 year-old boy presenting with haematuria following a 3-month stay in Tanzania (35 marks)

**Part B**

3. The DMO of Monaragala District Hospital has reported an increased incidence of malaria from a MOI division in Monaragala.
  - 2.1 If you are the MOH for that division how would you plan a programme to control the above situation. (60 marks)
  - 2.2 How would you evaluate the success of the above control programme. (40 marks)
4. Write notes on
  - 4.1 auto infection in helminthic parasites. (35 marks)
  - 4.2 importance of mosquito binomics in controlling the mosquito borne diseases in Sri Lanka. (65 marks)