



Third Examination for Medical Degrees (Part I) - JUNE 2002  
PARASITOLOGY

Tuesday 18<sup>th</sup> June, 2002

9.00 am to 11.00 am  
(2 hours)

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 5 year old girl was transferred from the Government Hospital, Vavuniya to the General Hospital Anuradhapura with drowsiness. She had fever accompanied with chills and rigors for 5 days. Her level of consciousness deteriorated rapidly and she died within 48 hours of admission.

1.1 What is/are the parasitic disease/s that could have been responsible for the child's condition? (10 marks)

1.2 List the investigation/s you could have done to confirm the diagnosis given in 1.1. (20 marks)

1.3 How would you have treated her for the condition given in 1.1? (20 marks)

1.4 State how the above condition of the child could have been prevented. (20 marks)

2. Write on:

2.1 Pet-associated parasitic disease in Sri Lanka. (50 marks)

2.2 Transmission of trematode infections to humans. (50 marks)

**PART B**

3. A survey was carried out to determine the prevalence of intestinal parasites in the Karapitiya area.

3.1 Name 5 parasitic infections that are likely to be detected during the above survey. (15 marks)

3.2 Describe briefly how you would confirm your diagnosis, of the above infections. (35 marks)

3.3 As a Medical Officer responsible for the area, you are requested to look for rare intestinal parasites in this survey. Describe the investigations you would carry out to detect them. (40 marks)

3.4 List four parasites you are likely to detect by the investigations given in 3.3. (10 marks)

4. Anti Filariasis Campaign, Sri Lanka is planning to carry out a National Filariasis Control Programme in July 2002, with the assistance of the Regional Health Services. Assume that you are the Deputy Director of Health Services (DDHS) of Bope Poddala Health Division.

4.1 Explain the above control strategy of the National Filariasis Control Programme. (20 marks)

4.2 How would you plan for your control programme of the above area? (35 marks)

4.3 How would you evaluate the success of the above programme in your Health Division? (45 marks)