



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE.
Third Examination for Medical Degrees – Part 1
July 2005
PARASITOLOGY

Friday 1st July, 2005

10.30 am to 12.30 pm
(2 hours)

Answer all four questions.
Illustrate your answers with labelled diagrams where ever necessary.
Answer Parts A and B in separate books.

PART A

1. Explain the following statements giving examples.
 - 1.1 Cestode infections are not common in Sri Lanka. (35 marks)
 - 1.2 Soil transmitted helminthic infections are difficult to control. (35 marks)
 - 1.3 Lymphatic filariasis is a disease of the poor. (30 marks)

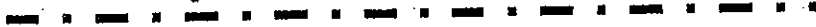
- 2 A 34 year old mother delivered a baby boy. On neonatal examination he was found to have bilateral cataracts and microcephaly.
 - 2.1 What would be the most probable parasitological diagnosis of the above condition? (10 marks)
 - 2.2 How would you arrive at a diagnosis and confirm your findings? (40 marks)
 - 2.3 How would you prevent this infection? (50marks)

PART B

3. Discuss the preventive steps in the following parasitological case scenarios.
 - 3.1 A school girl presented with loss of sleep. On examination she was found to have infected scratch marks over the scalp and numerous whitish particles attached to her hair. (30 marks)
 - 3.2 A boy from an orphanage presented with a pustular rash in his finger webs with intense itching around the rash. (35 marks)
 - 3.3 A 50 year old male from Rathgama was admitted to Teaching Hospital, Karapitiya with a history of blood and mucus diarrhoea of one weeks duration. (35 marks)

4. Discuss the parasitological and pharmacological bases for the following treatment steps.

- 4.1 Annual DEC + albendazole single dose treatment in lymphatic filariasis eradication programme. (25 marks)
- 4.2 DEC alone multi-dose treatment in a microfilaria positive patient. (25 marks)
- 4.3 Chloroquine prophylaxis in a pregnant mother visiting Polonnaruwa. (25 marks)
- 4.4 Chloroquine + primaquine treatment in a patient whose blood film shows *Plasmodium* schizonts. (25 marks)



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Senior Asst Librarian