



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE.

Third Examination for Medical Degrees – Part 1

JULY 2004

PARASITOLOGY - PAPER II

Tuesday 6th July, 2004

10.30 am to 12.30 pm
(2 hours)

Answer all four questions.

Illustrate your answers with labelled diagrams wherever necessary.

1. As the Medical Officer of Health, Galle Municipality you have visited the Ruhuna Lama Niwasaya in Kitulampitiya.

- 1.1 List giving reasons the common parasitic diseases which you can spot diagnose during this first visit. (30marks)
- 1.2 How would you confirm your above diagnoses? (30marks)
- 1.3 Describe the measures that you will implement in this orphanage to overcome two of the above diseases. (40 marks)

2. Discuss the parasitological bases and drug management for the following case scenarios.

- 2.1 A 25-year old female presenting with a yellowish frothy vaginal discharge of five days duration. (30 marks)
- 2.2 A 18-year old male from Galle presenting with dry cough and difficulty in breathing mainly at night of three weeks duration. Investigations revealed a high eosinophil count. (35 marks)
- 2.3 A 30-year old male admitted with left -sided severe eye pain after a recent visit to Africa. On examination a moving worm was seen. (35 marks)

A 27-year old female presented with vaginal bleeding of spontaneous onset to Teaching Hospital Galle. The history revealed a six weeks period of amenorrhoea.

- 3.1 List the parasitological infections that can give rise to the above situation. (10 marks)
- 3.2 Describe briefly how you would confirm your diagnosis in the conditions you have listed with reference to history, examination and investigations. (60marks)
- 3.3 What are the measures that can be taken to prevent the above parasitic conditions. (30marks)

4. Write notes on

- 4.1 Medical importance of synanthropic flies. (35 marks)
- 4.2 Cutaneous larva migrans. (30 marks)
- 4.3 Immuno-chromatographic test (ICT) for filariasis. (30 marks)