



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE

Third Examination for Medical Degrees – Part I

July 2018

PARASITOLOGY – Paper II

Monday 9th July, 2018

10.30 a.m. to 12.30 p.m.
(2 hours)

Answer all four questions

Illustrate your answers with labeled diagrams wherever necessary

Answer each question in a separate book

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1. A gem businessmen who travelled to Madagascar and stayed there for more than a week developed high fever with chills and rigors on his return to Sri Lanka. The patient was retained by the quarantine unit at Katunayake airport and transferred to Colombo National Hospital for further care. A parasitic infection is suspected.
- 1.1. What are the important points that you would like to highlight in the history and the examination of the patient to arrive at a clinical diagnosis? (20 marks)
- 1.2. Discuss how you will confirm your clinical diagnosis using laboratory tests. (20 marks)
- On the day three at hospital, patient's consciousness got altered and started passing black coloured urine.
- 1.3. Describe the pathophysiology of all clinical features in the above case scenario. (40 marks)
- 1.4. Discuss the drug management of the above case scenario. (20 marks)
2. Describe a control programme and its evaluation for following situations in Sri Lanka.
- 2.1. "A large number of estate families in Deniyaya is having anaemia due to helminthic infection." (50 marks)
- 2.2. "Over 15 deaths due to Dengue Haemorrhagic Fever (DHF) during last week in Galle DDHS area." (50 marks)
3. Write short notes on
- 3.1. *Bertiella studeri* infection (35 marks)
- 3.2. Dirofilariasis in Sri Lanka (30 marks)
- 3.3. Leishmaniasis in Sri Lanka (35 marks)
4. A lady with acute pitting edema over right ankle was admitted to Teaching Hospital Karapitiya with a history of high fever, lymphadenitis and lymphangitis. She first developed lymphadenitis. Filariasis Test Strip (FTS) tested on the patient has shown two lines at ten minutes reading.

4.1. Name the most possible diagnosis stating reasons. (10 marks)

4.2. Describe the pathophysiology of above case presentation. (40 marks)

4.3. How would you manage and evaluate the patient? (50 marks)
