



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE

Third Examination for Medical Degrees – Part I

October 2012

PARASITOLOGY – Paper II

For Medical Students relocated from University of Jaffna

Monday 8th October, 2012

10.30 am to 12.30 pm
(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 medical student was brought to the Emergency Treatment Unit, Teaching Hospital Karapitiya, with a history of fits and high fever with chills and rigors. On admission he was unconscious. On questioning, the relatives stated that he never traveled out of Galle, however he has been using “Karapitiya-Tissamaharama” bus to travel home situated in Galle town. A parasitological diagnosis is suspected.
 - 1.1 What is the most possible diagnosis? (10 marks)
 - 1.2 What is the significance of travelling in a bus bound to Tissamaharama in the clinical diagnosis of this patient? (20 marks)
 - 1.3 Describe how you will confirm the parasitological diagnosis. (30 marks)
 - 1.4 Describe the treatment of this patient. (40 marks)

 2. As the DDHS of the area, describe your **control programme** and **evaluation** of it in the following situations.
 - 2.1 *Grama Niladhari* of Sangamitta Pura, Galle has informed you that 5 out of 200 households of his administrative division had dengue haemorrhagic fever cases within the last week.
(50 marks)
 - 2.2 16 out of 800 residents in Sangamitta Pura have been detected as having *Wuchereria bancrofti* microfilaraemia following a probe survey.
(50 marks)

 3. Describe the **clinical / laboratory diagnosis**, **management** and **disease prevention** in the following case scenarios.
 - 3.1 A 7 year-old child having three pet cats presented to a medical clinic with mild intermittent fever and cervical lymphadenopathy. A parasitological diagnosis is suspected.
(30 marks)
 - 3.2 A 3 year-old child with a history of passing fleshy whitish moving segments in his faeces for a period of three months.
(35 marks)
 - 3.3 A 24 year-old female teacher presenting with a history of cellulitis over the right ankle. She has had an episode of right inguinal lymphadenopathy prior to the cellulitis attack.

 4. Write short notes on
 - 4.1 parasites causing watery diarrhoea. (35 marks)
 - 4.2 visceral larva migrans. (30 marks)
 - 4.3 arthropod infestations. (35 marks)