



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE
Third Examination for Medical Degrees – Part I
December 2016
PARASITOLOGY – Paper II

Monday 5th December, 2016

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 24 year-old mother who is in her 1st trimester was admitted to Teaching Hospital Mahamodara with a fever illness. On examination generalised lymphadenopathy with prominent lymphnodes in the cervical area was observed. She is from Galle and has no recent travel history. Routine investigations were suggestive of a parasitological disease.
 - 1.1. State the most probable diagnosis by giving reasons. (15 marks)
 - 1.2. Discuss the laboratory confirmation of the disease stated in 1.1. (20 marks)
 - 1.3. Discuss the drug management of the mother. (25 marks)
 - 1.4. If the fever illness was misdiagnosed, discuss the possible clinical outcomes. (40 marks)

 2. The Public Health Inspector (PHI) has informed you that the Gintota Public Health Midwife (PHM) area has recorded a Breteau Index of 45. As Bope-Poddala Medical Officer of Health (MOH) how will you answer the following questions?
 - 2.1. Discuss and interpret the Breteau Index of 45. (20 marks)
 - 2.2. Describe your pre-evaluation programme. (30 marks)
 - 2.3. Describe your control programme. (40 marks)
 - 2.4. Describe your post-evaluation programme. (10 marks)

 3. Write short notes on
 - 3.1. parasite elimination programmes of Sri Lanka. (35 marks)
 - 3.2. parasites causing eye infections. (35 marks)
 - 3.3. Harada-Mori tissue paper culture. (30 marks)

 4. A 43 year-old policeman was engaged in a peace keeping mission in Sudan for 2 years. He was on regular prophylaxis for Multi Drug Resistant (MDR) malaria. After two weeks of his return he was diagnosed with imported malaria at National Hospital, Colombo. His blood picture showed multiple ring stages in non-enlarged red cells and RBC shaped gametocytes. Three lines were observed in the ICT card.
 - 4.1. Draw the stages of malaria parasites which are possible to see in the above blood picture. (30 marks)
 - 4.2. State the complete diagnosis with reasons. (10 marks)
 - 4.3. Discuss the drug management of above patient. (40 marks)
 - 4.4. Describe the types of drug resistance. (20 marks)
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