



Thursday 21<sup>st</sup> April, 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 medical student was brought to the Emergency Treatment Unit, Teaching Hospital Karapitiya, with fits and high fever with chills and rigors. He was unconscious on admission. Three weeks ago he was transfused with one pint of blood due to low Hb following a fracture. He had never traveled out of Galle in the recent past. A parasitological diagnosis is suspected.
    - 1.1 What is the most possible diagnosis? (10 marks)
    - 1.2 What is the significance of blood transfusion 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 MOH 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 a week. (50 marks)
  
    - 2.2 16 out of 800 residents in Watugedara 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 non-healing acne like lesion over the right cheek. She has had a similar inflammatory nodule over right hand which subsided without any treatment. A parasitological diagnosis is suspected. (35 marks)
  
  4. Write short notes on
    - 4.1 parasites causing dysentery. (35 marks)
  
    - 4.2 viper bites in Sri Lanka. (30 marks)
  
    - 4.3 arthropod infestations. (35 marks)