



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA  
Third Examination for Medical Degrees - Part 1  
MEDICAL MICROBIOLOGY - Paper II

Tuesday 11<sup>th</sup> July 2006

10.30 am to 12.30 pm

Answer ALL FOUR questions

Answer each question in a separate answer book

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1.
  - 1.1 Define Pyrexia of Unknown Origin (PUO) (10 marks)
  - 1.2 Outline the different categories of PUO (20 marks)
  - 1.3 Name 5 common infective causes of PUO in Sri Lanka (20 marks)
  - 1.4 Describe the microbiological investigations that can be done in 2 of the causes mentioned in 1.3 (30marks)
  - 1.5 Write briefly on the antimicrobial treatment of those mentioned in 1.4 (20 marks)
  
2. Explain the pathogenesis and the antimicrobial therapy of the following clinical entities.
  - 2.1 Fungal meningitis in a HIV positive male (35 marks)
  - 2.2 Varicella zoster in an elderly female (30 marks)
  - 2.3 Sepsis in a 2 day old baby, born prematurely (35 marks)
  
3. Write on post exposure prophylaxis of
  - 3.1 Rabies (40 marks)
  - 3.2 Hepatitis B (35 marks)
  - 3.3 Tetanus (25 marks)
  
4. Describe the infection control measures that can be taken or could have been taken in the following clinical situations.
  - 4.1 A patient with sputum positive pulmonary tuberculosis in a medical ward. (25 marks)
  - 4.2 A child admitted to the paediatric ward with blood and mucous diarrhoea. (25 marks)
  - 4.3 A patient in the orthopaedic ward with a compound fracture of the tibia infected with methicillin resistant *Staphylococcus aureus*. (MRSA) (25 marks)
  - 4.4 An elderly male developing cystitis following catheterization for acute retention of urine. (25 marks)