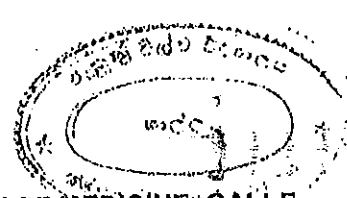




UNIVERSITY OF RUHUNA, FACULTY OF MEDICINE, GALLE
Third Examination for Medical Degrees (Part 1)
MEDICAL MICROBIOLOGY - Paper 11 - Essay



Friday 30th January 2004

10 am to 12 noon

Answer all FOUR questions

Answer parts A and B in separate answer books

PART A

1. A one year-old child is brought to the hospital with a history of watery diarrhoea of 2 days duration.
 - 1.1 List the likely infective causes of this diarrhoea. (20 marks)
 - 1.2 Describe the pathogenesis of a viral cause of this diarrhoea. (20 marks)
 - 1.3 Describe the microbiological investigations, which could be undertaken to determine the cause of this diarrhoea. (30 marks)
 - 1.4 Write briefly on the use of antibiotics in the management of infective diarrhoea. (30 marks)

2. Describe methods that can be used to prevent and control an outbreak of
 - 2.1 meningococcal meningitis among Haj pilgrims. (35 marks)
 - 2.2 chicken pox in a student hostel. (35 marks)
 - 2.3 SARS in a local hospital. (30 marks)

PART B

3. Explain the immunological basis of
 - 3.1 anaphylaxis. (35 marks)
 - 3.2 post streptococcal glomerulonephritis. (35 marks)
 - 3.3 Mantoux (Tuberculin) test. (30 marks)

4. Write on
 - 4.1 serological tests for syphilis. (35 marks)
 - 4.2 antibiotic resistance of *Staphylococcus aureus*. (30 marks)
 - 4.3 hand washing practices in a hospital (35 marks)