

**UNIVERSITY OF JAFFNA, SRI LANKA**  
**FINAL EXAMINATION FOR MEDICAL DEGREES–November2013**  
**PAEDIATRICS Paper II**

Date: 20.11.2013.

Time: 03 hours

**ANSWER ALL THE SIX (6) QUESTIONS**

Answer each question in separate answer book

- 1 A 12 year old girl from poor socio-economic background is admitted with cough, fever and shortness of breath of four days duration. She had recurrent episodes of wheeze in the past. On examination she was pale, dyspnoeic, orthopnoeic and had both facila and pedal oedema. The heart rate was 160/min and Blood pressure was 130/100mmHg. Apex was located in the 6<sup>th</sup> interconstal space at the mid clavicular line. The auscultation of the lungs showed bilateral wheeze and crepitations. The Urine full report was moderately field full of red cells and albumin of 3+
- 1.1 Mention five (5) possible differential diagnosis ( 20 Marks)
- 1.2 What other information will you obtain from the history and examination to arrive at a diagnosis? ( 30Marks)
- 1.3 List the investigations you will order giving reasons ( 20 Marks)
- 1.4 Briefly discuss the management of this patient ( 30 Marks)
- 2 18month old boy was referred from the peripheral hospital for evaluation of severe emaciation. On examination the weight for height was < -3SD. He was moderately dehydrated and mildly pale. The current weight is 8kg.
- 2.1 Mention the steps in the management on admission ( 20 Marks)
- 2.2 While in the hospital the child is started on a feeding programme. How will you plan the feeding programme for this child? ( 30 Marks)
- 2.3 On day 3 of the feeding programme the child develops a generalized tonic-clonic convulsion. List the possible causes for this child to get a convulsion on day 3. ( 10 Marks)
- 2.4 The child was discharged from hospital after 10 days in hospital. How will you manage this child in the community ( 20Marks)
- 2.5 What advice will you give the mother at discharge (20 Marks)

- 3 A 2 day old baby is admitted from the postnatal wards with vomiting. The baby was delivered by forceps and the birth weight was 2.8kg. The midwife had made a note to say the liquor was smelly. The baby vomited after each feed and the vomitus was mainly milk.
- 3.1 List the possible causes of vomiting in a baby (20 Marks)
- 3.2 How will you manage this baby on admission? (20Marks)
- 3.3 List the investigations you will order giving reasons (20 Marks)
- 3.3 12 hours after admission you notice the baby becomes sicker and had blood stained vomitus. Significant apneic episodes were also seen. List three (3) possible causes for the deterioration (15Marks)
- 3.4 How will you manage the baby at 12 hours after admission (25Marks)
- 4 A seven year old girl was admitted with two week history of unsteadiness of gait. On examination she had truncal ataxia.
- 4.1 Mention four(4) differential diagnosis (20 Marks)
- 4.2 What other information will you obtain from the history and examination to arrive at a diagnosis (30Marks)
- 4.3 List the investigations you will order giving reasons (20 Marks)
- 4.4 Briefly discuss the management of this patient (30 Marks)
- 5 Describe the management in the following clinical scenarios
- 5.1 3 year old child with autism (40 Marks)
- 5.2 6 month old baby diagnosed to have neonatal hepatitis syndrome (30 Marks)
- 5.3 5 year old with iron deficient anaemia (30 Marks)
- 6 8 year old girl is admitted in the early hours of the morning with severe abdominal pain and vomiting. On admission she is unwell with tachycardia and tachypnea. The blood pressure was 70/40mmHg.
- 6.1 List three (3) possible differential diagnosis (10 Marks)
- 6.2 What other information will you obtain from the history and examination to arrive at a diagnosis (40 Marks)
- 6.3 She has been drinking excessive water for the last one week. What is the most likely diagnosis? (10 Marks)
- 6.4 List the investigations you will order giving reasons (15 Marks)
- 6.5 How will you manage this child? (25 Marks)