



**UNIVERSITY OF JAFFNA, SRI LANKA**  
**FINAL EXAMINATION FOR MEDICAL DEGREES—March 2019**  
**PAEDIATRICS Paper II**

Date: 21-03-2019

Time: 03 hours

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

Answer each question in separate answer book

- 1 You are called to attend a baby who was born by spontaneous vaginal delivery with a POA of 32 weeks. The baby cried at birth and was well.
- 1.1 List the possible complications that a preterm baby can develop (20 Marks)
- 1.2 At the age of 2 hours the baby developed respiratory distress. List three (3) causes for this presentation (20Marks)
- 1.3 Mention the clinical features you will look for in this baby with respiratory distress (20Marks)
- 1.4 How will you manage this baby in the first 24 hours (20 Marks)
- 1.4 The baby was managed successfully in the NICU with the ventilatory support and is ready for discharge at 3 weeks of age. Outline the follow up plan for this baby (20 Marks)
- 2 A previously well 8-year-old was admitted with fever and vomiting of 8 days duration. She also had reduced urine output and intermittent headache. She has been having few episodes of watery diarrhoea at the onset of the fever and for the last 4 days she has not opened the bowels. The family visited a distant relative in Colombo few days ago. On examination she was ill, febrile and was mildly dehydrated. There was no neck stiffness. On palpation of the abdomen there was a tender hepatomegaly of 3 cm and splenomegaly of 2 cm.
- 2.1 List three (3) possible causes for this presentation (15 Marks)
- 2.2 What further information in the **history** will you obtain to differentiate the above mentioned causes (30 Marks)
- 2.3 List five (5) investigations you will order giving reasons (25 Marks)
- 2.4 How will you manage the most likely diagnosis (30 Marks)
- 3 A 7 year old girl is brought to the clinic with short stature
- 3.1 List five (5) possible causes for short stature (25 Marks)
- 3.2 What information will you obtain in the **examination** of this child to arrive at a diagnosis? (35 Marks)
- 3.3 The Thyroid Function Tests show a TSH of 25iU/L (10-15) and T4 of 0.72ug/dl (4.6-12). Describe the management of this child (40 Marks)

- 4 10 year old child referred to the paediatric clinic with the history of bed wetting at night for one month duration. She achieved urinary continence initially at the age of 2 years. She is also preparing for the grade 5 scholarship examinations.
- 4.1 List 3 possible causes for this presentation (15 Marks)
  - 4.2 On further questioning the child says she passes large volume of urine frequently and drinks more water than the usual. List 5 possible causes for this presentation. (15 Marks)
  - 4.3 What further information will you gather from the history and examination to arrive at a diagnosis (30 Marks)
  - 4.4 Mention the investigations you will request in this child to arrive at a diagnosis? Indicate the expected findings (30 Marks)
  - 4.5 Outline the pharmacological management of most possible diagnosis of this child (10 Marks)
- 5 Outline the **management plan** for the following conditions
- 5.1 A 2 year old child admitted in shock due to acute gastroenteritis. The weight of the child is 15 kg (50 Marks)
  - 5.2 A 4 year old child is admitted with fever and generalized tonic-clonic convulsion which is lasting for 20 minutes. The weight of the child is 20 Kg (50 Marks)
- 6 Mention the **dietary advice** in the following clinical situations
- 6.1 An 8 year old girl with the BMI >97th centile (30 Marks)
  - 6.2 A 3 year old with newly diagnosed Insulin Dependent Diabetes Mellitus (40 Marks)
  - 6.3 A 10 year old with chronic kidney disease (30 Marks)