



**UNIVERSITY OF JAFFNA, SRI LANKA**

**FINAL EXAMINATION FOR MEDICAL DEGREES -FEBRUARY 2026**

**ACADEMIC YEAR 2018/2019**

**Paediatrics - Paper II**

**Date: 11.02.2026**

**Time: 1.30 pm to 4.30 pm (03 hours)**

**Index No:-----**

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**Question 01**

A 3-day-old baby was transferred from a peripheral hospital for further management of jaundice. He was born by normal vaginal delivery at term with a birth weight of 3.4 kg. The mother had gestational diabetes. On examination, the weight is 3.0 kg. His temperature is 37.4°C, and he is icteric.

1.1 List **four (4)** possible causes for jaundice in this baby **(10 Marks)**

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1.2 What further information will you obtain in the history and examination to arrive at a diagnosis **(20 marks)**

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1.3 State the investigations you would request in this baby, giving reasons for each. **(30 marks)**

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1.4 Outline the management of this baby **(40 marks)**

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**Question 02**

A one-year-old girl was admitted with high-grade fever and vomiting for 2 days duration.

The Urine report is given below:

Pus cell	50-60/hpf
Red cell	10-20/hpf

2.1 What further information will you obtain in the history and examination to support the most likely diagnosis **(20 marks)**

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2.2 List the investigation you will request with the expected finding **(20 marks)**

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2.3. She was commenced on intravenous Cefotaxime following the investigations. Fever persisted for 72 hours despite intravenous antibiotics.

List the possible causes for this and outline the management plan for this situation **(30 marks)**

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2.4. Following the management fever settled during the next 3 days. Outline the immediate and long-term management of this child **(30 marks)**

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**Question 03**

An 18-month-old baby boy was admitted with a history of fever for 4 days and 2 episodes of generalised tonic clonic convulsion on the third day of illness. He had a history of fever with fits at the age of one year following vaccination.

3.1. What further information will you obtain in the history and examination to arrive at a diagnosis **(20 Marks)**

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3.2. List the investigations you would request for this child, giving reasons for each **(20 marks)**

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3.3. On day 2 of admission, the child remains febrile with reduced feeding and activity and has not passed urine for 6 hours. Outline your management plan. **(40 marks)**

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3.4. The child has recovered and has been afebrile for 5 days. Describe the immediate and long-term management plan. **(20 marks)**

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**Question 04**

An 8-year-old boy is admitted with fever and abdominal pain of 5 days duration.

4.1. List **three (03)** differential diagnoses **(15 Marks)**

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On further inquiry, the child had diarrhoea for one day, preceded by four days of constipation. He had two episodes of non-bilious vomiting. On examination, he had a coated tongue and was mildly dehydrated. Abdominal examination revealed a soft spleen palpable 2 cm below the costal margin.

4.2. What is the most likely diagnosis? **(10 Marks)**

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4.3. List **three (03)** important facts that you will obtain in the social history to support your diagnosis **(15 Marks)**

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4.4. List **five (05)** investigations you will request to arrive at the diagnosis **(15 Marks)**

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4.5. List **five (05)** steps in the management of the most likely diagnosis **(20 Marks)**

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4.6. On day 2 of admission, he developed generalized abdominal pain, had guarding, and the bowel sounds were absent. What complication has occurred in relation to the most likely diagnosis? **(10 Marks)**

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4.7. Mention **three (03)** other complications associated with this diagnosis **(15 Marks)**

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**Question 05**

An 8-year-old girl who is diagnosed with thalassaemia major is evaluated for short stature. Her weight is on the mean, and the height is  $< - 3SD$ . The bone age is compatible with 4 years.

5.1. Define short stature **(10 Marks)**

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5.2. List **five (05)** causes of short stature in a child with thalassaemia major **(15 Marks)**

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5.3. List **five (05)** important points you would elicit in history when evaluating short stature in this child with thalassaemia major. **(25 Marks)**

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5.4. What other anthropometric evaluation will you do to arrive at a diagnosis? **(10 Marks)**

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5.5. List **five (05)** investigations you will perform to determine the cause of short stature in this child **(15 Marks)**

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5.6. List **five (05)** steps in the management of this child **(25 Marks)**

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**Question 06**

6.1. An 8-year-old girl with the BMI > + 3SD centile is having simple obesity. Mention **dietary advice** that you will provide to this child **(20 Marks)**

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6.2. A 4-year-old child diagnosed with nephrotic syndrome is discharged. What information will you provide the mother regarding the **steroid administration** to this child **(20 Marks)**

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