



FACULTY OF MEDICINE
UNIVERSITY OF RUHUNA

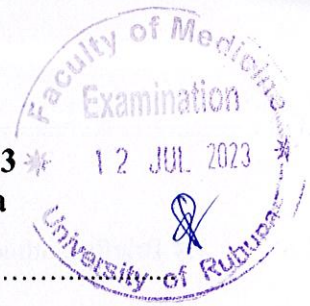
FINAL EXAMINATION FOR MEDICAL DEGREES – July 2023
PAEDIATRICS PAPER I

12.07.2023

1.00 p.m. – 4.00 p.m. (Three hours)

1. There are six parts (A, B, C, D, E & F).
2. There is one question in each part.
3. Answer all six questions.
4. Answer each question in the space provided.
5. Write the index number in the space provided on top of each part.

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Part A - Question No 1

Index No: -

1. A 6-year-old girl presented with generalized body swelling, hematuria and oliguria. On examination, her blood pressure is 140/95mmHg.

1.1 List **two (2)** differential diagnoses for this presentation? (20 marks)

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1.2 Briefly describe **five (5)** important key points in the history that would support the diagnoses mentioned in (1.1) (20 marks)

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1.3 List **five (5)** relevant investigations and the expected results in each of them. (30 marks)

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Part B - Question No 2

Index No: -

2. A 6-year-old boy presents with fever and migrating polyarthritits and is suspected to have rheumatic fever.

2.1. List 5 (five) other clinical features , which would help you to arrive at the diagnosis of rheumatic fever. (20 marks)

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2.2 List 5 (five) investigations which would support the diagnosis of rheumatic fever. (20 marks)

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2.3. Outline the management in the acute stage of rheumatic fever (30 marks)

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Part D - Question No 4

Index No: -

4.1 Mention **five (5)** clinical features that suggest dengue infection in a five-year-old child.

(10 marks)

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4.2. Mention **two (2)** indications to admit the child to a hospital during the febrile phase.

(10 marks)

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4.3. State **four (4)** important steps you would consider in the in-ward management of this child during the febrile phase. (20 marks)

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4.4. List **four (4)** clinical parameters which suggest that the child has entered the **critical phase** of dengue fever. (10 marks)

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4.5. Calculate the fluid quota for the critical phase of this child (weight is 20 kg) (20 marks)

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4.6. Outline **three (3)** important steps in monitoring this child in the critical phase, indicating the action you would take if the finding is abnormal. (20 marks)

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4.7. List **two (2)** complications of dengue infection. (10 marks)

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Part E - Question No 5

Index No: -

Acute leukaemia is the commonest malignancy seen in children and is the first malignancy that has shown a complete cure.

5.1. List **five (5)** physical signs you would expect to see in a child with acute leukaemia. (10 marks)

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5.2. List **five (5)** investigations that are performed to diagnose leukaemia and briefly describe the expected results. (25 marks)

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5.3. Describe briefly **five (5)** principles you would address before starting chemotherapy. (20 marks)

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5.4. List the steps in the 'treatment algorithm'.

(15 marks)

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5.5. List **two (2)** possible acute complications patients will develop while on treatment.

(15 marks)

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5.6. Briefly describe **five (5)** poor prognostic features..

(15 marks)

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