



**UNIVERSITY OF RUHUNA**  
**FACULTY OF MEDICINE**

**FINAL EXAMINATION FOR MEDICAL DEGREES – NOVEMBER 2017**  
**PAEDIATRICS PAPER I**

**22.11.2017**

**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.

**Paediatrics Paper 1 November 2017**

**Part A                  Question Number 1                  Index Number.....**

- 1. A term newborn baby born by normal vaginal delivery was admitted to Special Care Baby Unit with tachypnoea and grunting at two hours of age.**

- 1.1. List five (5) possible causes for the above presentation.                  (30 marks)**

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- 1.2. How would you assess this baby's efficacy of respiration?                  (10 marks)**

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- 1.3. List four (4) investigations that you would perform in this baby                  ( 20 marks)**

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**1.4. Outline the management of this baby.**

(40 marks)

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**Part B**

**Question Number 2**

**Index Number.....**

**2.1. List four (4) predisposing factors of iron deficiency anaemia in a five month old infant (20 marks)**

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**2.2. How would you treat a child with iron deficiency anaemia**

**(25 marks)**

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**2.3. What advice would you give to a mother of a child who is on above therapy.**

**(25 marks)**

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**2.4. List three (3) differences seen in investigations in iron deficiency anaemia when compared to  
thalassemia trait** (30 marks)

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**Part C                  Question Number 3                  Index Number.....**

**3.1. A 3-year-old child presents with bowing of the legs.**

**3.1.1. List three (3) clinical features which would help you to arrive at the diagnosis of rickets.  
(15 marks)**

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**3.1.2. Name three (3) investigations you would perform to diagnose rickets with expected results  
(15 marks)**

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**3.1.3. How would you treat nutritional rickets?  
(15 marks)**

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**3.1.4. List three (3) investigations you would perform in this child if she is found to have blood pressure of 120/80 mmHg** (15 marks)

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**3.2.1. Define severe acute malnutrition.** (10 marks)

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**3.2.2. How would you decide whether a child with severe acute malnutrition needs admission To the ward?** (20 marks)

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**3.3.3. Mention two (2) therapeutic formulae available used in the ward to manage severe Severe acute malnutrition?** (10 marks)

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**Paediatrics Paper 1 November 2017**

**Part D**

**Question Number 4**

**Index Number.....**

4. A 5 year old girl presents to the paediatric ward with a history of cough and fever of 6 day duration. On admission she was in respiratory distress. Chest radiograph showed right lower lobe consolidation.

- 4.1. List five (5) clinical features that would help to assess the degree of respiratory distress in this child. (25 marks)

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- 4.2. Mention three (3) investigations you would perform on this child. (15 marks)

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- 4.3. List five (5) positive physical signs you would expect to find on the examination of the chest of this child. (25 marks)

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**4.4. Outline the two (2) most important steps you would perform in the management of this child (except the investigations). (20 marks)**

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**4.5. List five (5) complications you would anticipate in this child. (15 marks)**

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**Part E**      **Question Number 5**      **Index Number.....**

5. A 5 year old boy presents with low grade fever for one week duration had significant bilateral cervical lymphadenopathy.

**5.1. 1. What other findings in physical examination would help you in arriving at a diagnosis? (40 marks)**

**5.1.2. Name 3 most important differential diagnosis that you would like to exclude in this boy.**

**(15marks)**

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**5.2. His white blood cell count performed in the ward was  $43,000/\text{mm}^3$  with N- 12%, L- 83% Hb- 9.3% and Platelet-  $178000/\text{mm}^3$ , and the ESR was 106 mm/ $1^{\text{st}}$  Hour.**

**5.2.1. What is the most important investigation you would perform at this stage to arrive at a diagnosis and write the expected abnormalities. (30 marks)**

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**5.2.2. What test would confirm the suggested diagnosis in part 5.2.1 ( 15 marks)**

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## **Part F**

**Question Number 6**

**Index Number.....**

6. Write short notes on the following topics. (20 marks each)

- ### 6.1. Bottom shuffling

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- ## 6.2. Night terrors

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- ### **6.3. Breath holding episodes**

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**6.4. Paroxysmal vertigo**

**6.5. Tic disorder**