



FACULTY OF MEDICINE

UNIVERSITY OF RUHUNA

**FINAL EXAMINATION FOR MEDICAL DEGREES – NOVEMBER 2020
PAEDIATRICS PAPER I**

18.11.2020

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 :-

1.1 Describe the clinical presentation of infantile spasms. (20 marks)

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1.2 Briefly explain why these children should be investigated extensively. (10 marks)

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1.3 Explain how special examination procedures could help in the diagnosis work up in these children. (10 marks)

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1.4 List five (5) disorders that can present as infantile spasms.

(25 marks)

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1.5 Name the drug of choice for the initial control of seizures with its early onset side effects.

(15 marks)

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1.6 Outline the prognosis of this condition.

(20 marks)

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Part B - Question No 2

Index No: -

A four- month old baby boy is brought in to the emergency department with a history of shortness of breath and poor feeding of 3 days. His birth weight is 3.5kg and the present weight is 5 kg. On examination he is afebrile and has a grade IV pan systolic murmur best heard in the left lower sternal edge. His oxygen saturation is 99% in room air.

2.1 Mention **four (4)** other important vital parameters you would assess on admission. (10 marks)

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2.2 What is the likely underlying structural heart defect? (15 marks)

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2.3 State **two (2)** other investigations you would perform to arrive at the diagnosis. (10 marks)

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2.4 What complication has occurred in this child ? (10 marks)

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2.5 Mention **three (3)** other clinical features you would anticipate in this child. (15 marks)

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2.6 Outline the management of the condition mentioned in 2.4. (20 marks)

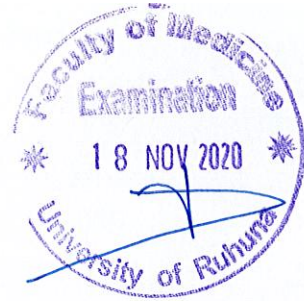
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2.7 What is the definitive treatment option to treat the underlying condition. (10 marks)

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2.8 Mention **one (1)** long term complication of the condition mentioned in 2.2 if it is left untreated. (10 marks)

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Part D - Question No 4

Index No :-

4.1 Mention **two (2)** causative organisms in neonatal sepsis. (10 marks)

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4.2 List **five (5)** risk factors which predispose early neonatal sepsis. (20 marks)

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4.3. State **five (5)** clinical features suggestive of meningitis in a one-week old baby. (20 marks)

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4.4 List **five (5)** investigations you would carry out in a neonate with meningitis mentioning the expected results. (25marks)

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Part E - Question No 5

Index No: -

5.1 A 4-month-old infant is brought into the outpatient department with a history of runny nose, cough, fever and difficulty in feeding for 3 days. On examination he is tachypnoeic and has bilateral crepitations. His blood investigation results are as follows

WBC - 7550/mm³, Neutrophil -- 23%, Lymphocytes -- 74%.

C-reactive protein - 8mg/dl.

5.1.1 What is the most likely diagnosis? (10 marks)

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5.1.2 What is the most likely causative organism ? (10 marks)

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5.1.3 How would you treat the condition you mentioned in 5.1.1.? (30 marks)

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Part F - Question No 6

Index No :-

A-6- year old boy is admitted to the pediatric casualty ward with fever and body aches is diagnosed to have acute leukaemia.

6.1 List the types of acute leukaemia seen in children. (10 marks)

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6.2 Mention **five (5)** clinical features that would support the diagnosis of acute leukemia. (10 marks)

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6.3 List **five (5)** investigations and briefly describe how they would help in confirming the diagnosis. (25 marks)

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6.4 Discuss five (5) bad prognostic criteria.

(20 marks)

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6.5 Briefly describe five (5) measures that should be taken prior to commencement of chemotherapy.

(25 marks)

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6.6 List two (2) acute complications that can be encountered while on chemotherapy. (10 marks)

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