UNIVERSITY OF RUHUNA
FACULTY OF MEDICINE
GALLE

PAEDIATRICS PAPER I
21.11.2005

9.00 a.m. – 12.00 noon

Duration 3 hours

1. **There are four parts (A,B,C and D).**
2. **There are two questions each in Parts A and B. There is one question each in Part C and D.**
3. **Please answer all six questions.**
4. **Answer each part in the space provided.**
5. **Write the index number on the space provided on top of each part.**

PART A **INDEX NO.....**

Q1. A four year old boy presented with generalized oedema. His blood pressure was 90/60 mmHg. Urinanalysis showed proteinuria +++ and no cells in the urine deposit.

1.1 What is the diagnosis? **(10 marks)**

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1.2 How would you confirm the diagnosis? **(20 marks)**

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1.3 The child developed oliguria on the third day of admission.

1.3.1 What is the most likely cause of the oliguria? **(10 marks)**

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1.3.2 How would you manage his oliguria? **(30 marks)**

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1.4 List six complications of his disease. **(30 marks)**

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Q2. A three year old girl presented with a generalized purpuric rash of three days duration. There was no fever. Examination did not reveal pallor or hepatosplenomegaly.

2.1 What is the most likely diagnosis? (20 marks)

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2.2 List three laboratory tests you would perform to confirm the diagnosis and give the expected results. (30 marks)

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2.3 How would you manage this patient? **(50 marks)**

PART B **INDEX NO.....**

Q3. A three year old child presented with sudden onset stridor.

3.1 List three possible causes. **(15 marks)**

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3.2 Discuss the clinical features which would help you to differentiate the causes mentioned in 3.1 **(30 marks)**

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3.3 How would you assess the severity of this condition clinically? (25 marks)

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3.4 List he important steps in the management of one of the conditions mentioned above.
(30 marks)

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PART C INDEX NO.....

Q4.

4.1 What is the nutritional goal of feeding preterm infants? (5 marks)

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4.2 State the expected gastrointestinal problems associated with feeding in preterm infants. (20 marks)

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4.3 State the special nutritional need of the preterm infants. (20 marks)

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4.4 Give two advantages of exclusively breast feeding preterm infants.
(10 marks)

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4.5 Give two disadvantages of exclusively breast feeding preterm infants.
(10 marks)

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4.6 How would you overcome the feeding and the nutritional problems of preterm infants to optimize growth. **(35 marks)**

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PART D **INDEX NO.....**

Q5. Outline the management of

5.1 a one year old boy with septic arthritis of the left knee joint. (25 marks)

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5.2 a three week old infant with chicken pox. (25 marks)

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5.3 a five year old girl with tuberculous meningitis. (25 marks)

5.4 a five year old boy with Guillain Barre syndrome. (25 marks)

PART E INDEX NO.....

Q6.

6.1 Define

6.1.1 Spina bifida occulta. (10 marks)

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6.1.2 Meningocoele.

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6.1.3 Myelomeningocoele.

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6.2 List the associated spinal cord abnormalities that can be present with vertebral defects. (15 marks)

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6.3 List the unfavourable factors that determine the quality of outcome of surgery in myelomeningocoele. (30 marks)

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6.4 List the orthopaedic complications that could occur in patients with myelomeningocoele. **(15 marks)**

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6.5 Outline the methods of prevention of neural tube defects. **(30 marks)**

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