

UNIVERSITY OF JAFFNA, SRI LANKA
FINAL EXAMINATION FOR MEDICAL DEGREES—November 2017
PAEDIATRICS Paper II

Date: 22.11.2017

Time: 03 hours

ANSWER ALL THE **SIX (6)** QUESTIONS

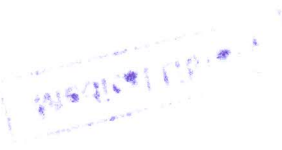
Answer each question in separate answer book

- 1 You are called to attend the delivery of a mother with a period of gestation of 31 weeks. The membrane had ruptured 48 hours prior to delivery. At delivery the baby did not cry, was floppy and had no spontaneous respiration. The heart rate was 50 beats/minutes.
 - 1.1 Describe how you will resuscitate the baby (30Marks)
 - 1.2 Describe the neonatal complications that can occur when a baby is born prematurely (20Marks)
 - 1.3 The baby developed respiratory distress at the age of 2 hours. List the possible causes for this condition and outline your management plan (20 Marks)
 - 1.4 On day 4 of age the baby developed a focal convulsion which lasted for 1 minute. List five (5) possible causes for this convulsion? (15 Marks)
 - 1.5 Outline the long term management plan for this baby at discharge (15 Marks)

- 2 Describe the management plan for the following situations at the emergency department
 - 2.1 10 months old baby is admitted with severe dehydration due to gastroenteritis. The weight of the child is 6 kg. (30 Marks)
 - 2.2 6 year old girl with snake bite with the whole blood clotting time (WBCT)>20 minutes (40 Marks)
 - 2.3 2 years old child with the history of foreign body aspiration (30 Marks)

- 3 5 year old girl is admitted with the history of fever and cough of 5 days duration. On examination she is ill looking, febrile and the respiratory rate is 44/min
 - 3.1 List 5 possible causes for this presentation (20 Marks)
 - 3.2 List the clinical features that will help you to differentiate your causes (20 Marks)
 - 3.3 Outline the investigation you will request in order to arrive at a diagnosis? Indicated your expected finding in each case (20 Marks)
 - 3.4 She was managed in the ward successfully and she improved slightly over the next 2 days and then suddenly deteriorated with worsening of difficulty in breathing and the oxygen saturation dropped to 85%. Air entry is reduced in the right side. What is the most possible cause for this sudden deterioration? (10 Marks)
 - 3.5 How will you manage the condition in 3.4 (30 Marks)

- 4 A nine month old baby is admitted with fever and crying on micturition
 - 4.1 What information will you obtain from the history and examination to arrive (25 Marks)



at a diagnosis

- 4.2 List the investigations you will order giving reasons (20 Marks)
- 4.3 How will you manage this child (30 Marks)
- 4.4 List the short and long term complications that you will anticipate (25 Marks)

5 What **advice** will you give in the following situations **at discharge**

- 5.1 8 month old baby admitted with blood and mucous diarrhoea (30 Marks)
- 5.2 10 year old who was diagnosed to have obesity (40 Marks)
- 5.3 A mother of a 2 month old baby refuses to give the routine immunization to her baby (30 Marks)

6 Eight year old girl is seen at the Paediatric clinic for having vacant episodes in the classroom

- 6.1 List three (3) possible differential diagnosis (15Marks)
- 6.2 What signs and symptoms will you elicit to arrive at a diagnosis? (25 Marks)
- 6.3 Mother also informs she has had these episodes several times in the past. The class teachers have noticed her writing exercise books have gaps in the sentences
What is the most likely diagnosis?
- 6.4 How will you manage this child (25 Marks)
- 6.5 What advice will you give at discharge? (20 Marks)