

UNIVERSITY OF JAFFNA, SRI LANKA
FINAL EXAMINATION FOR MEDICAL DEGREES—May 2015
PAEDIATRICS Paper II

Date: 13.05.2015.

ANSWER ALL THE SIX (6) QUESTIONS

Answer each question in separate answer book

Time: 03 hours

- 1 2 year old child from poor socioeconomic group is admitted with the history of fever of 2 weeks duration & less active. On examination she is ill, irritable & drowsy
- 1.1 List the possible causes for this condition (15 Marks)
 - 1.2 Define Pyrexia of unknown origin (10 Marks)
 - 1.3 Describe the clinical features you will look for to differentiate your above mentioned causes. (20 Marks)
 - 1.4 How will you investigate this child and explain your expected findings in each (15 Marks)
 - 1.5 Lumbar puncture was done on day 2 of admission & the CSF shows leucocytes 400cells/mm³, lymphocytes 88%, and polymorphs 12%. CSF sugar is 35mg/dl with RBS 90mg/dl, CSF protein is 1200mg/dl.
What is the most likely diagnosis? (10 Marks)
 - 1.6 Describe your management plan for this child? (15 Marks)
 - 1.7 List the complications the child can develop in the condition mentioned in 1.5 (15 Marks)
- 2 You are called to attend a delivery of a primi mother with the gestation of 32 weeks and the membrane was ruptured 48 hours before the deliver
- 2.1 Define preterm birth (10 Marks)
 - 2.2 List the complications you will encounter in a preterm baby during the neonatal period (15 Marks)
 - 2.3 The baby cried immediately after birth and was transferred to the neonatal unit. Two hours after delivery the baby becomes tachypnoeic and develops grunting.
Describe the management of this baby (20 Marks)
 - 2.5 On day 5 of life the baby becomes less active & mottled. He developed a convulsion which settled with treatment.
List the investigation you will request indicating the possible abnormalities (15 Marks)
 - 2.6 Describe the management of this baby on day five (25 Marks)
 - 2.7 Indicate the measures taken before, at delivery and postnatal period to minimize the complications. (15 Marks)
- 3 Describe the management plan for a child admitted to the Emergency Department with the following history
- 3.1 10 year old child admitted with Anaphylactic shock following Benzathine penicillin IM injection. (30 Marks)
 - 3.2 8 year old girl with Status asthma (40 Marks)
 - 3.3 5 year old child following snake bite with a whole blood clotting time (WBCT) >20 minutes (30 Marks)

- 4 A fifteen (15) month old boy is brought to the paediatric clinic as the mother was concerned about the development. The baby is able to sit with curved back, reached for objects and transferred them from hand to hand and was able to “coo & babble”
- 4.1 What is the developmental age of this child? (15 Marks)
- 4.2 List the possible causes for this presentation (20 Marks)
- 4.3 What further information would you obtain from the history to arrive at the diagnosis? (25 Marks)
- 4.4 The tone of the lower limbs is reduced.
What other information would you obtain in the examination? (20 Marks)
- 4.5 How will you manage this child? (20 Marks)
- 5 A 2 year old boy is brought in by the maternal uncle after noticing few bruises on the arms and back. Uncle reports that he also had similar episodes.
- 5.1 What other information will you obtain in the history and examination to arrive at a diagnosis? (30 Marks)
- 5.2 The basic investigations were done and the reports are given below:
Hb 10g/dl, WBC 7500 with N 75%, Platelets 240,000,
Bleeding time 2 minutes, Clotting time was 15 minutes
List the other investigations you will order to confirm your diagnosis giving the reasons? (20 Marks)
- 5.3 How will you manage this child’s most likely diagnosis? (30 Marks)
- 5.4 List the complications that can occur in this condition. (20 Marks)
- 6 What **dietary advice** will you give in the following situations
- 6.1 A Mother who wants to know about weaning her 6 month old baby (40 Marks)
- 6.2 A 3 year old child who is discharged following a diarrhoeal illness (30 Marks)
- 6.3 An 8 year old child who is being treated for acute glomerulo-nephritis in the ward (30 Marks)