

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

POSTGRADUATE DIPLOMA IN CHILD HEALTH EXAMINATION
OCTOBER 2011

Date : 24th October 2011

Time : 1.00 p.m. – 4.00 p.m.

STRUCTURED ESSAY PAPER

Answer all six questions.

Answer each question in a separate book.

1. A 5 year old boy with steroid dependent frequent relapsing nephritic syndrome was brought to the hospital with severe abdominal pain. On examination child was grossly oedematous, had ascites and tenderness on abdominal examination.
 - 1.1. List four (04) nephrotic syndrome related complications as a cause for abdominal pain. (40 marks)
 - 1.2. Outline the steps in the initial management on admission including four (04) relevant investigations. (40 marks)
 - 1.3. List five (05) drugs used in the management of proteinuria in steroid dependent nephritic syndrome. (20 marks)

2.
 - 2.1. Define growth faltering. (20 marks)

 - 2.2. Child Health development Record of a 9 month old developmentally normal infant shows growth faltering since 7 months of age. Briefly describe what important information in the history that you would look for to identify the cause. (40 marks)

 - 2.3. Mother of a 4 month old baby complains of “not enough breast milk”. She is asking for advice. Outline the management. (40 marks)

3. A 5 year old boy is brought to the casualty paediatric unit with weakness of both lower limbs of 5 days duration. He was a well child except that he was treated for a sore throat one week back. There is no history of trauma. His development was up to date.

On examination he did not have any pain or swelling of his joints. Both lower limbs were flaccid and the power Grade II reflexes were absent.

- 3.1. List three (03) possible causes. (15 marks)

On second day he developed bilateral facial nerve palsy.

- 3.2. Mention five (05) important vital signs you would monitor on this patient. (30 marks)

- 3.3. Mention three (03) investigations you would do on this patient. (15 marks)

- 3.4. List the steps in management of this patient. (40 marks)

4. A 4 year old with epilepsy on carbamazepine for 3 weeks presented with vesicular bullous lesions on the skin, erythematous swollen lips and painful red eyes of two days duration.

- 4.1. What is the most likely diagnosis ? (25 marks)

- 4.2. List five (05) other aetiological agents which could cause above condition. (25 marks)

- 4.3. Briefly outline the management of this child. (40 marks)

- 4.4. What could be the leading cause of death in a child with above condition ? (10 marks)

- 5.
- 5.1. Define A. Active immunity. (10 marks)
B. Passive immunity. (10 marks)
 - 5.2. List four (04) indications for normal immunoglobulin therapy in paediatric practice. (20 marks)
 - 5.3. What is an Antiserum ? List three (03) indication for its usage. (20 marks)
 - 5.4. List the changes that had occurred in the National Immunization Schedule in August 2011. (20 marks)
 - 5.5. List four (04) contraindications for mumps, measles, rubella (MMR) vaccine. (20 marks)
6. How would you manage the asymptomatic newborn at birth in the following situations ?
- 6.1. Mother was diagnosed as having active pulmonary tuberculosis three weeks prior to delivery. (25 marks)
 - 6.2. Mother who had positive serological test for hepatitis B surface antigen. (25 marks)
 - 6.3. Mother who developed chickenpox three days before the delivery. (25 marks)
 - 6.4. Mother with gestational diabetes mellitus and weight of the neonate is 3.5 kg. (25 marks)