Spring Examinations 2015

NPR206515N

Module Title: Recognising and Managing Acute Childhood Illness
Level: Five
Time Allowed: Two Hours

Instructions to students:
- Enter your student number not your name on all answer books.
- Answer THREE of the five questions.
- All questions are equally weighted; the marks allocated to each part of the question are indicated.

No. of Pages: 3
No. of Questions: 5
Answer **THREE** of the following questions

1. Zach is an active 6 year old boy. He has had a cold for several days and is complaining of ear pain. His ear appears red. He has been diagnosed with Otitis Media.

   a. Draw and label a diagram of the ear.  
      (2 marks)

   b. Describe the pathophysiology of Otitis Media.  
      (1 mark)

   c. List the signs and symptoms of Otitis Media.  
      (3 marks)

   d. Give rationale for these signs and symptoms.  
      (4 marks)

2. Carrie is 9 years old. She has a history of asthma and eczema. On visiting her at home, her eczema appears inflamed.

   a. Draw and label a diagram of the skin.  
      (2 marks)

   b. Describe the pathophysiology of the eczema.  
      (1 mark)

   c. Discuss the itch/scratch cycle.  
      (3 marks)

   d. What is the treatment for eczema providing rationale?  
      (4 marks)

3. Logan is 3 years old. He has not been attending nursery for the last two days. He is not his usual self; he is complaining that his tummy hurts and has increased frequency of urination. He has been diagnosed with a UTI.

   a. Draw and label a diagram of the renal system.  
      (2 marks)

   b. Describe the pathophysiology of a urinary tract infection.  
      (1 mark)

   c. List the signs and symptoms of a urinary tract infection.  
      (3 marks)

   d. Give rationale for these signs and symptoms.  
      (4 marks)
4. Zara is 10 years old. She has been admitted following a two day history of severe abdominal pain in her right iliac fossa. She has returned from theatre following an appendectomy.

   a. Describe the pathophysiology of appendicitis.  
   (1 mark)

   b. Describe the type of wound providing rationale.  
   (3 marks)

   c. Describe the wound healing process.  
   (6 marks)

5. Scarlett is 18 months old. Her mum has taken her to the assessment unit following several days of a cough which becomes worse at night. She has been diagnosed with Pertussis.

   a. Describe the pathophysiology of Pertussis.  
   (1 mark)

   b. Describe the signs and symptoms of Pertussis.  
   (3 marks)

   c. Describe how you would perform a respiratory assessment.  
   (5 marks)

   d. Provide normal the range of values for heart and respiration rate for an 18 month old.  
   (1 mark)