**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF YEAR 2 SEMESTER 1 EXAMINATION**

**MARCH 2013 KRCHN CLASS (PRE-SERVICE)**

**PAEDIATRICS EXAMINATION**

DATE: 25/2/2015 TIME:8.30 – 11.30pm

**INSTRUCTIONS**

1. Enter your examination number and question number on each page used.
2. ALL questions are compulsory.
3. For part 1 (MCQs), write the answer in the spaces provided on the answer booklet.
4. For Part 2 (SHORT ANSWER QUESTIONS), answer the questions following each other.
5. For Part 3 (LONG ANSWER QUESTIONS), answer to each question MUST start on a separate page.
6. Omission of and or wrong numbering of a question or part of the question will result in 10% deduction of the marks scored from the relevant part.
7. Do NOT use a pencil.
8. Mobile phones are NOT allowed in the examination hall.

For Examiner:

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| --- | --- | --- | --- | --- |
| **MCQS** | **SAQS** | **LAQS 1** | **LAQS 2** | **TOTAL** |
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**PART ONE: MCQS (MULTIPLE CHOICE QUESTIONS) PAEDIATRICS– 10 MARKS**

Q.1. The following signs and symptoms are suggestive of malignancy in haematological system in children:

1. Abdominal mass, bleeding episodes and headache.
2. Anaemia, vomiting and unexplained hemiparesis.
3. Pallor, bleeding episodes and frequent infections.
4. Joint pains, enlarged lymph nodes and anaemia.

Q.2. Bacterial meningitis:

1. Usually is mild and self-limiting.
2. A serious illness that is fatal.
3. Does not require any treatment.
4. Is mild but fatal.

Q.3. The following is not true about febrile seizures:

1. Airway should be patent.
2. Always remember to restrain the child during a convulsion.
3. Remove pillows and raise bed rails.
4. Loosen constrictive clothing.

Q.4. In acute diarrhoea:

1. There is visible blood in stool.
2. There is no need for rehydration.
3. Occurs less than 14 days.
4. Can be due to anatomical defects.

Q.5. Vitamin A, D, E and K is among:

1. Trace elements.
2. Water soluble.
3. Fat soluble.
4. None of the above.

Q.6. The following are cardinal signs of acute glumenulonephritis:

1. Putty eyes in the morning and cola-coloured urine.
2. Normal blood pressure and decrease in weight.
3. Increased urine output and oedema.
4. Cola-coloured urine and dimmished urine output.

Q.7. Normally in the respiratory system, children:

1. Chemoreceptors are absent until adolescent.
2. Have total body response to infection.
3. Are nasal breathers.
4. Have increased susceptibility to ear infection.

**PART ONE: MCQS (MULTIPLE CHOICE QUESTIONS) PAEDIATRICS– 10 MARKS**

Q.8. According to WHO, pneumonia can be classified as:

1. No pneumonia, moderate or severe pneumonia.
2. Mild pneumonia, moderate or very severe pneumonia.
3. No pneumonia, pneumonia or very severe pneumonia.
4. Acute pneumonia, viral, bacterial or chronic pneumonia.

For Q.9 and Q.10 write true or false.

Q.9. (a) In otitis media with effusion we have safe and unsafe type.

 (b) In otitis media there is inflammation of the mucus membrane lining the inner and middle

 ear.

Q.10. (a) In cancer, staging is done to guide therapy and evaluate progress.

 (b) In Wilms Tumor frequent abdominal palpation is encouraged to aid the diagnosis.

**PART TWO: SHORT ANSWER QUESTIONS – PAEDIATRICS – 20 MARKS**

Q.1. State three (3) ways on how HIV can be spread or transmitted from mother to child. 3 marks

Q.2. List any six (6) clinical manifestations of rheumatic fever affecting the heart and major

Joints. 3 marks

Q.3. Baby Linet ten (10) months old weighing 8kgs with severe dehydration, calculate how

much of intravenous fluids to be administered and for how long.

1. Rehydration phase. 3 marks
2. Maintenance phase. 3 marks

Q.4. State four (4) characteristics of febrile convulsions in children. 4 marks

Q.5. Outline health education to be given in preventing diarrhoea disease in children. 4 marks

**PART THREE: LONG ANSWER QUESTIONS – PAEDIATRICS – 20 MARKS**

Q.1. Master Ken 4 years old admitted to paediatric ward and a diagnosis of marasmus is made.

 (a) Define marasmus. 2 marks

 (b) List eight (8) clinical presentation of marasmus. 4 marks

 (c) State two (2) laboratory investigations that must be done for master Ken. 2 marks

 (d) Describe on how to manage Master Ken while in the ward. 12 marks