**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF YEAR THREE SEMESTER ONE EXAMINATION**

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

**CHILDHOOD IMMUNIZABLE DISEASES EXAMINATION**

DATE: 23/2/2016 TIME 1.30 – 4.30 PM

**INSTRUCTIONS**

1. Read the questions carefully and answer only what is asked.
2. Enter your examination number and question number on each page used.
3. ALL questions are compulsory.
4. For part 1 (MCQs), write the answer in the spaces provided on the answer booklet and each MCQ is one (1) mark.
5. For Part 2 (SHORT ANSWER QUESTIONS), answer the questions following each other.
6. For Part 3 (LONG ANSWER QUESTIONS), answer to each question MUST start on a separate page.
7. 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.
8. Do NOT use a pencil.
9. 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) CHILDHOOD IMMUNIZABLE DISEASES– 5 MARKS**

Q.1. Which of the following is not childhood immunizable diseases:

1. Muscles.
2. Whooping cough.
3. Haemophilus influenza virus infection.
4. Yellow fever.

Q.2. What is the causative agent for tetanus:

1. Clostridium welchi.
2. Clostridium botulinum.
3. Clostridium perfringens.
4. Clostridium tetani.

Q.3. The incubation period of Bordetella pertussis is:

1. 7 – 28 days.
2. 14 – 28 days.
3. 4 – 12 weeks.
4. 2 – 6 days.

Q.4. The classical signs of measles include:

1. Koplicks spots.
2. Maculopapular rash.
3. Conjunctivitis, coryza and cough.
4. All of the above.

Q.5. The following micro-organism can be transmitted:

1. Poliovirus, Escherichia coli.
2. Hepatitis B, measles.
3. Poliovirus, hepatitis B.
4. Mycobacterium tuberculi, Bordetella pertussis.

**PART TWO: SHORT ANSWER QUESTIONS – CHILDHOOD IMMUNIZABLE DISEASES – 25 MARKS**

Q.1. List six (6) signs and symptoms of pulmonary tuberculosis. 3 marks

Q.2. Describe the KEPI immunization schedule and state the diseases prevented by

each vaccine. 8 marks

Q.3. State three (3) indications for gene expert analysis in investigation of tuberculosis.3 marks

Q.4. State three (3) complications of measles disease. 3 marks

Q.5. Explain the pathophysiology of poliomyelitis. 5 marks

Q.6. State three (3) predisposing factors of diarrhoea disease. 3 marks

**PART THREE: LONG ANSWER QUESTIONS – CHILDHOOD IMMUNIZABLE DISEASES – 20 MARKS**

Q.1. Baby X was admitted to neonatal unit with neonatal tetanus following home delivery.

1. What is the causative agent for tetanus and state its incubation period. 1 mark
2. Briefly describe the pathophysiology of tetanus. 4 marks
3. State three (3) predisposing factors to development of neonatal tetanus. 3 marks
4. List four (4) major clinical features of which Baby X will present with. 2 marks
5. Describe the management of Baby X from admission to discharge. 7 marks
6. Outline three (3) preventive measures of tetanus. 3 marks