**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF YEAR ONE SEMESTER TWO EXAMINATION**

**MARCH 2014 KRCHN CLASS (PRE-SERVICE)**

**KEPI & COLD CHAIN EXAMINATION**

DATE: 2/6/2015 TIME:1.30 – 4.30 PM

**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) KEPI & COLD CHAIN – 6 MRKS**

Q.1. Which of the following vaccines is not part of pentavalent vaccines given in Kenya Expanded Program on immunization:

1. Hepatitis B vaccine.
2. Pneumococci vaccine.
3. Hemophilus influenza type B vaccine.
4. Diphtheria vaccine.

Q.2. The following vaccine preventable diseases can be spread from person to person except:

1. Poliomyelitis.
2. Tetanus.
3. Hepatitis B.
4. Diphtheria.

Q.3. Which of the following statements is true :

1. Yellow fever vaccine is given routinely to all health facilities in Kenya to children under 2 years.
2. Measles vaccine is a toxoid vaccine.
3. The dosage of measles is 0.1ml for children more than one year old.
4. Measles vaccine is stored at a temperature of within -20c - +80c.

Q.4. Which of the following is not a WHO notifiable disease?

1. Cholera.
2. Small pox.
3. Malaria.
4. Poliomyelitis.

Q.5. Which of the following should be included in the message given to a care taker during her child immunization?

1. Next date for immunization.
2. Date of birth.
3. How to dispose immunization waste.
4. The best immunization strategy.

**PART TWO: SHORT ANSWER QUESTIONS – KEPI & COLD CHAIN –11 MARKS**

Q.1. With examples outline two (2) categories of vaccines. 4 marks

Q.2. Explain three (3) types of disease surveillance. 6 marks

Q.3. State any three (3) features of an ideal vaccine. 3 marks

Q.4. What are the ideal routes of drug administration of the following listed vaccines.

1. Measles vaccine.
2. Polio vaccine.
3. Bacilli calmette guarin vaccine.
4. Rota virus.
5. Penta valent
6. Yellow fever. 3 marks

Q.5. List five (5) operative and three supportive components of immunization. 4 marks

**PART THREE: LONG ANSWER QUESTIONS – KEPI & COLD CHAIN – 12MARKS**

Q.1. You have been posted to Ole Singiki Sub-county hospital as a public health nurse. On reporting, you find out the following:

* Ole Siangiki has a population of 30,000 persons
* The population growth rate is 4.5%.
* The immunization coverage for all the antigens is 65%
1. What is the target population of under 5 children to be immunized in

Ole Siangiki? 1 mark

1. State five (5) factors that may lead to low immunization coverage. 5 marks
2. Describe the measures that you will put in place to raise immunization coverage

in Ole Siangiki to 80%. 14 marks