**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF YEAR I SEMESTER II EXAMINATION**

**MARCH 2017 KRCHN CLASS (PRE-SERVICE)**

**IMMUNIZATION EXAMINATION**

DATE: ……………………. TIME:…………………..

**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** |
|  |  |  |  |  |

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

Q.1. A two month old child is brought to your clinic for immunization for the first time. Which vaccines will you give?

1. Penta, measles, OPV
2. Penta, OPV, BCG
3. BCG
4. Penta and measles

Q.2. What is the minimum interval between penta I and penta II vaccine?

1. Two weeks
2. Six weeks
3. Three weeks
4. Four weeks

Q.3. Administration of several vaccine at the same time:

1. Is not recommended
2. Can interfere with development of immunity towards each other
3. Produces effective immunity for each vaccine given
4. May cause severe reaction to the immunized child

Q.4. The “shake test”:

1. Is used to thoroughly mix the vaccine
2. Will indicate if the vaccine has been frozen
3. Will activate the vaccine that has expired
4. Is used to mix different vaccines in a single vial

Q.5. Which of the vaccines listed below can be used beyond six hours or in subsequent immunization so long as the expiry date has not passed?

1. Hep. B
2. BCG
3. Measles

Q.6. What is your annual target population for children <1 year age if the catchment population for your health centre is 8,000 people?

1. 320
2. 240
3. 375
4. 275

Q.7. Which of the following is a true contraindication to immunization from the following ?

1. Minor illness with a fever <380c
2. Malnutrition
3. HIV infection
4. HIV infection with AIDS

Q.8. Which of the following is the correct dose of measles vaccine?

1. 0.05mls
2. 0.5mls
3. 1ml
4. 1.5mls

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

Q.9. The first dose of T.T. in pregnancy should be given:

1. When foetal movements are felt
2. As early as possible in pregnancy
3. As early as possible during the 2nd trimester
4. At least 2 weeks before delivery

Q.10. Which of the following should co-ordinate immunization activities at the county level:

1. All stake holders
2. Ministry of health
3. NGOs in the county
4. The governor

**PART TWO: SAQS (SHORT ANSWER QUESTIONS) IMMUNIZATION – 30 MARKS**

Q.1. List five (5) strategic components of RED. 5 marks

Q.2. List five (5) target diseases which can be prevented through immunization. 5 marks

Q.3. State five (5) different types of vaccines and give an example of each. 5 marks

Q.4. State at least five (5) activities that a health provider should undertake during an immunization session. 5 marks

Q.5. Explain five (5) factors that can affect the quality of vaccine. 5 marks

Q.6. Explain five (5) causes of adverse events following immunization. 5 marks

**PART THREE: (LAQS) LONG ANSWER QUESTIONS) IMMUNIZATION – 20 MARKS**

Q.1. You have been posted to sopo Nyoko sub-county hospital to coordinate immunization activities. Upon reporting, you realize that your predecessor had not indicated the target

population for immunization.

1. Who are the target population for immunization? 2 marks
2. Calculate the target population for immunization for the year and pos month

if the population of your catchment area is 4,000 and the crude birth rate is 4%.5 marks

1. Describe the strategies you will put in place to ensure that you reach the target population in your catchment area. 13 marks