**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF YEAR THREE SEMESTER ONE EXAMINATION**

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

**CHILDHOOD IMMUNIZABLE DISEASES 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) CHILDHOOD IMMUNIZABLE– 5 MARKS**

Q.1. The causative organism for tetanus infection is:

1. Clostridium tetani.
2. Clostridium weichi.
3. Clostridium perferingens.
4. Clostridium viride.

Q.2. The factors influencing transmission of tuberculosis includes the following except:

1. The number of bacilli in droplets.
2. The virulence of the bacilli.
3. Degree of ventilation.
4. Degree of lighting of the house.

Q.3. The classical symptoms of measles includes the following except:

1. Koplock’s spots.
2. Mucopapular rash.
3. Conjunctivitis and coryza.
4. Concrum oris.

Q.4. What is the incubation period of haemophilus influence type B:

1. 4 – 30 days.
2. 2 – 4 days.
3. 6 – 10 days.
4. 7 – 14 days.

Q.5. The PCV10 is given against:

1. Bordetella pertusis.
2. Staphylococcus aureous.
3. Phemonia progenis.
4. Streptococcus pneumonia.

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

Q.1. (a) Define immunization. 1 mark

(b) Describe the immunization schedule for a child below 2 years. 5 marks

Q.2. (a) State five typical features of tuberculosis. 5 marks

(b) State the treatment regime for newly diagnosed tuberculosis patient. 2 marks

Q.3. Briefly describe the pathophysiology of tetanus. 5 marks

Q.4. List four (4) sources of infection for diphtheria. 2 marks

Q.5. Describe the clinical cause of whooping cough. 5 marks

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

Q.1. Child X was brought to IMCI clinic with symptoms suggestive of poliomyelitis and consequently was admitted to paediatric ward for management.

1. State three (3) strains of polio viruses. 3 marks
2. Briefly explain the pathophysiology of poliomyelitis. 4 marks
3. State three (3) types of poliomyelitis. 3 marks
4. Manage child X from admission to discharge. 7 marks
5. Briefly explain three (3) strategies that has been employed by Kenyan

government to deal with poliomyelitis epidemics. 3 marks