**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF YEAR 3 SEMESTER 1 EXAMINATION**

**SEPTEMBER 2015 KRCHN CLASS (PRE-SERVICE)**

**CHILD 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) CHILD IMMUNIZABLE DISEASES – 5 MARKS**

Q.1. The following are diseases prevented by pentavalent vaccine except?

1. Hepatitis C
2. Whooping cough
3. Corynebacterium diphtheria
4. Tetanus

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

1. Clostridium weichi
2. Clostridium tetani
3. Clostridium perfringens
4. Clostridium vividae

Q.3. The factors influencing transmission of tuberculosis includes the following except:

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

Q.4. The classical symptoms of measles include the following except:

1. Koplick’s spots
2. Maculopapular rash
3. Conjunctivitis and coryza
4. Concrum oris

Q.5. Rotavirus is given at:

1. 6 weeks and 10 weeks
2. 10 weeks and 14 weeks
3. 6 weeks, 10 weeks and 14 weeks
4. All of the above

**PART TWO: SAQS (SHORT ANSWER QUESTIONS) CHILD IMMUNIZABLE DISEASES – 25 MARKS**

Q.1. State five (5) predisposing factors of diarrhoea diseases. 5 marks

Q.2. (a) State three (3) methods that can be used in prevention of tuberculosis. 3 marks

(b) State the regimen used in treatment of a newly diagnosed tuberculosis patient. 2 marks

Q.3. Describe the clinical course of whooping cough. 5 marks

Q.4. (a) State three (3) types of poliomyelitis. 3 marks

(b) State two (2) strategies employed by the Kenyan government to prevent

poliomyelitis. 2 marks

Q.5. Briefly describe the pathophysiology of measles. 5 marks

**PART THREE: LAQS (LONG ANSWER QUESTIONS) CHILD IMMUNIZABLE DISEASES – 20 MRKS**

Q.1. Baby M aged 20 days was admitted to neonatal unit with diagnosis of neonatal tetanus.

1. State five (5) predisposing factors for neonatal tetanus. 5 marks
2. List six (6) signs and symptoms that baby M will present with. 3 marks
3. Describe the management of baby M from admission to discharge. 9 marks
4. State three (3) preventive measures that can be employed to prevent tetanus

among neonatals. 3 marks