**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF YEAR ONE SEMESTER ONE EXAMINATION**

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

**ENVIRONMENTAL HEALTH EXAMINATION**

DATE: 31 MARCH 2016 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** |
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**PART ONE: MCQS (MULTIPLE CHOICE QUESTIONS) ENVIRONMENTAL HEALTH– 4 MARKS**

Q.1. The food preservation methods which inhibit multiplication of bacteria include the following:

1. Pasteurization, canning, salting.
2. Smoking, pasteurization, salting.
3. Drying, freezing, smoking.
4. Canning, steaming, drying.

Q.2. Water related diseases include:

1. Typhoid, malaria, cholera.
2. Malaria, cholera, schistosomiasis.
3. Cholera, schistosomiasis, diarrhoea.
4. Malaria, schistosomiasis, onchocerciasis.

Q.3. Controlled tipping is a waste disposal method that involves:

1. Putting rubbish in a pit and burn it.
2. Placing refuse in a ditch and leaving if for anaerobic decomposition.
3. Spreading refuse in layers and covering each layer with compact earth.
4. Spreading the refuse for aeration to facilitate anaerobic decomposition.

Q.4. Water washed diseases can be prevented through:

1. Increase the quality of water.
2. Boiling water for drinking.
3. Wearing protective clothing while in contact with the water.
4. Improving the quality of water.

**PART TWO: SHORT ANSWER QUESTIONS – ENVIRONMENTAL HEALTH – 22 MARKS**

Q.1. Explain how you can control the following vectors:

1. Mosquitoes.
2. Flies. 4marks

Q.2. State three (3) ways of prevention of oral faecal transmission. 3 marks

Q.3. List four (4) environmental components. 2 marks

Q.4. State four (4) advantages of proper waste disposal. 4 marks

Q.5. Define the term food preservation. 1 mark

Q.6. State four (4) characteristics of adequate housing. 4 marks

Q.7. State five (5) methods of food preservation. 5 marks

**PART THREE: LONG ANSWER QUESTIONS – ENVIRONMENTAL HEALTH – 10 MARKS**

Q.1. You are a community health nurse working in a rural facility where the environment is highly polluted.

1. Define pollution. 1 mark
2. State three (3) types of pollution. 3 marks
3. Explain how you can control the following:
4. Air pollution.
5. Water. 6 marks