**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF YEAR ONE SEMESTER ONE EXAMINATION**

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

**ENVIRONMENTAL HEALTH 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:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **MCQS** | **SAQS** | **LAQS 1** | **LAQS 2** | **TOTAL** |
|  |  |  |  |  |

***PART ONE MCQ (MULTIPLE CHOICE QUESTIONS) – ENVIRONMENTAL HEALTH – 5 MARKS***

Q.1. Physical environment includes:

1. Climate and industries
2. Dams and plants
3. Attitude and customs
4. Wild animals and micro organisms

Q.2. Permanent houses:

1. Do not provide privacy
2. Do not necessary have stone foundation
3. Are easy to keep the floor and wall clean
4. Are less expensive to construct than semi-permanent houses

Q.3. The most recommended method of disposing refuse in rural areas is:

1. Crude dumping
2. Compositing
3. Incineration
4. Controlled tipping

Q.4. Water related diseases include:

1. Diarrhea, bacillary dysentery, scabies
2. Trachoma, onchocerciasis, amobiasis
3. Malaria, schistosomiasis, dracunculosis
4. Typhoid, cholera, hepatitis

Q.5. The following is an effective and hygiene way of waste disposal in a health facility:

1. Incineration
2. Compositing
3. Burning
4. Controlled tipping

Q.6. Elements of culture include:

1. Customs and traditions, language religion
2. Economic factor, social factor, forms of government
3. Religion, education forms of government
4. Values, languages, economic factors

Q.7. Proper school environment is characterized by the following:

1. Wet playground with no potholes or stones to prevent injuries
2. Spacious classes with doors opening outwards
3. Shared common toilets female and male students
4. Simple sits which are attached to each other

***PART TWO SAQ (SHORT ANSWER QUESTIONS) – ENVIRONMENTAL HEALTH – 40 MARKS***

Q.1. List four (4) environmental components.Biological environment.- Physical environment.-Political environment. - Socio cultural environment. 4 marks

Q.2. State four (4) characteristics of a good house.Adequate lighting. - Free dampness. - Suitable design. - Well Ventilated. 4 marks

Q.3. State two (2) types of latrines -Backet pit latrine. - Trench pit latrine. 2 marks

Q.4. Explain four (4) sources of solid waste. 8 marks

Q.5. Explain how you can control the following vectors:

1. Mosquitoes.-Draining up stagnant water and ditches. -Clearing bushes. - Collecting and disposing off of containers.
2. Flies -Keeping all surrounding clean.- Keeping the our houses clean.-Animal holding places like bomas should be kept away from human settlement.-Washing hands after using the latrines 4 marks

Q.6. Define the term food preservation=Is a method used to treat food for he purpose of prolonging their life without losing quality. 1 mark

Q.7. During follow up of your client in urban areas, you realize that the environment is

slightly polluted.

1. Define pollution. Is the introduction of contaminants to the natural environment cauing adverse changes. 1 mark
2. State three (3) types of pollution-Water pollution. - Air pollution. - Land pollution. 3 marks
3. Explain any two (2) methods to prevent pollution- Preventing practises for preserving wetlands. - Never use open fire to burn waste. 4 marks
4. List two diseases associated with pollution. - Cancer. - Diarrhoea. - Hepatitis. - Typhoid 2 marks