**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF YEAR THREE SEMESTER ONE EXAMINATION**

**MARCH 2013 KRCHN CLASS (PRE-SERVICE)**

**EPIDEMIOLOGY EXAMINATION**

DATE: 8/9/2015 TIME 1.30 – 4.30 PM

**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 TWO SECTION A: SHORT ANSWER QUESTIONS – EPIDEMIOLOGY – 5 MARKS**

Q.1. Define the following terms/concepts as used in epidemiology.

1. Epidemiology.
2. Host.
3. Agent.
4. Disease transmission.
5. Susceptible host. 5 marks

**PART TWO SECTION B: SHORT ANSWER QUESTIONS – EPIDEMIOLOGY – 40 MARKS**

Q.1. You are newly posted in a rural health centre as the nursing officer in-charge, the community health workers in the community unit attached to your facility approaches

you for advice on how to prevent and control an unknown disease outbreak in their area. Enumerate and explain your advice. 10 marks

Q.2. With the aid of a well labelled diagram, explain the relationship between the host,

agent and environment in disease transmission cycle. 10 marks

Q.3. Describe the aims and purpose of epidemiology. 10 marks

Q.4. Describe the factors that affect disease incidences and distribution in the

community. 10 marks