**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

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

**MICROBIOLOGY CAT**

DATE: ……………………. TIME: ...........................

**INSTRUCTIONS**

1. Enter your examination number and question number on each page used.
2. ALL questions are compulsory.
3. 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.
4. Do NOT use a pencil.
5. Mobile phones are NOT allowed in the examination hall.

***PART ONE: SHORT ANSWER QUESTIONS –MICROBIOLOGY – 60 MARKS***

Q.1. (a) Define the term microbiology. 2 marks

(b) Non-pathogenic microbes comprise about 87%. List some ten (10) uses/areas

where it can be utilized. 10 marks

Q.2. Describe briefly the factors influencing microbial growth. 8 marks

Q.3. Outline briefly the population growth curve. 10 marks

Q.4. (a) List six (6) factors that make microbiology relevant to nursing profession. 6 marks

(b) Name ten (10) sources of microbiology. 10 marks

Q.5. (a) Describe four (4) modes of microbial transmission. 10 marks

(b) List four (4) medically important protozoans. 4 marks