



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR CERTIFICATE IN COMMUNITY HEALTH
2ND YEAR 2ND SEMESTER 2018/2019 ACADEMIC YEAR
NAIROBI LEARNING CENTRE

COURSE CODE: HCD 1121

COURSE TITLE: BASIC MICROBIOLOGY

**EXAM VENUE: --
H/COMMUNITY**

STREAM: CERT

DATE:

EXAM SESSION:

TIME: 2 HOURS

Instructions:

- 1. Answer Question ONE (COMPULSORY) and ANY other 2 questions**
- 2. Candidates are advised not to write on the question paper.**

Candidates must hand in their answer booklets to the invigilator while in the examination room

SECTION A (30 Marks)

1. Define the following terms: (6 Marks)

i. Pathogen

ii. Disease

iii. Infection

iv. Epidemiology

v. Pathogenicity

vi. Microbiology

2. State the differences between prokaryotic cells and Eukaryotic cells (6 Marks)

3. List the medical importance of the bacteria (3 Marks)

4. Give characteristics of Viruses (4 Marks)

5. Give characteristics of opportunistic infections (4 Marks)

6. What are the benefits of microbiology to humans (4 Marks)

7. State types of microorganisms and giving examples in each case (3 Marks)

SECTION B (40 Marks)

1. HIV/AIDs is a major community health problem. Discuss

2. Using examples, discuss the morphological classification of Bacteria

3. Explain environmental factors influencing growth of microorganisms

4. List 10 viruses giving examples of the disease they each cause. Also highlight methods of preventing and controlling diseases caused by viruses.