



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR CERTIFICATE IN COMMUNITY HEALTH AND
DEVELOPMENT
1ND YEAR 1ND SEMESTER 2019/2020 ACADEMIC YEAR
KISUMU LEARNING CENTRE**

COURSE CODE: HCD 1121

COURSE TITLE: BASIC MICROBIOLOGY

EXAM VENUE: KISUMU LEARNING CENTRE

DATE: 12/08/19 EXAMINATION SESSION: 9.00 – 10.30AM

TIME: 1 ½ HOURS

Instructions:

- 1. Answer all the questions in Section A and ANY other 2 questions in Section B.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates MUST hand in their answer booklets to the invigilator while in the examination room.**

SECTION A

Answer all questions (30 Marks)

1. Define the following terms:

3mks

Pathogen

Disease

Infection

Epidemiology

Pathogenicity

Microbiology

2. State the differences between prokaryotic cells and Eukaryotic cells 4mks
3. Explain in brief the general techniques in isolation and culture of bacteria 7mks
4. List the properties of the Viruses 3 mks
5. Give characteristics of opportunistic infections 3 mks
6. What are the benefits of Fungi to humans 4 mks
7. Explain the importance of learning Microbiology 6mks

SECTION B

Answer any two Questions (20 Marks each)

1. Define sterilization. Classify various methods of sterilization with suitable examples.
2. HIV/AIDS is a major community health problem. Discuss
3. Using examples, discuss the morphological classification of Bacteria
4. Explain the importance of Bacteria