



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

COURSE CODE: HCD 1121

COURSE TITLE: BASIC MICROBIOLOGY

EXAM VENUE: KISUMU LEARNING CENTRE

DATE: EXAMINATION SESSION: 9-11 AM

TIME: 2 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: (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

Answer any two Questions (30 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.