



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DIPLOMA
1ST YEAR 2ND SEMESTER 2018/2019 ACADEMIC YEAR
KISUMU CAMPUS

COURSE CODE: **HCD 2121**

COURSE TITLE: **BASIC MICROBIOLOGY**

EXAM VENUE: **STREAM: Dip., Community Health & Development/Dip., Public Health**

DATE: **EXAM SESSION:**

TIME: **2.00 HOURS**

Instructions:

- 1. Answer ALL Questions in Section A and ANY 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 (Total 30 marks)

- a. Why is the period from 1874 to 1917 called the golden age of Microbiology (5mks)
- b. State FIVE fields that are studied in pure microbiology (5mks)
- c. Differentiate the following terminologies with examples: Disinfectant and Antiseptics (5mks)
- d. Write short notes on Simple staining (5mks)
- e. State FIVE characteristics of bacteria (5mks)
- f. Draw and label microbial growth curve (5mks)

Section B: Answer ANY TWO Questions (Total 40 marks)

QUESTION TWO

Discuss in details FIVE types of microbial interactions (20 mks)

QUESTION THREE

Explain physical methods of sterilization (20 mks)

QUESTION FOUR

Discuss in details the classification of bacteria (20 mks)

QUESTION FIVE

Explain in details the differences between prokaryotic and eukaryotes (20 mks)