



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR THE CERTIFICATE IN COMMUNITY HEALTH
DEVELOPMENT
1ST YEAR 1ST SEMESTER 2018/2019 ACADEMIC YEAR
KISII CAMPUS- PART TIME

COURSE CODE: HCD 1121

COURSE TITLE: BASIC MICROBIOLOGY

EXAM VENUE:

DATE: 23/4/19

EXAM SESSION: 9.00 – 10.30AM

TIME: 1.30 HOURS

Instructions:

- 1. Answer question 1 (Compulsory) and ANY other 2 questions'**
- 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 in this section (30 Marks)

1. Explain the contribution of Louis Pasteur in Microbiology (5 marks)
2. Explain the characteristics of Bacteria, Viruses and Fungi (5 marks)
3. Describe the safety measures taken when handling microorganisms (5 marks)
4. Explain ways in which infectious agents get into the body (5 marks)
5. Elucidate the different methods used in sterilization and disinfection (5 marks)
6. Explain the economic importance of microorganisms (5 marks)

SECTION B; Answer any two Questions (30 Marks)

- 7a) Define Staining and describe gram staining technique (8 marks)
 - b) Explain the germ theory of disease as stipulated by Robert Koch (7 marks)
- 8 Discuss the causes, symptoms and prevention of Salmonellosis (15 marks)
9. Explain vaccines and the different types of vaccines (15 marks)