



**JARAMOGI OGINGA ODINGA UNIVERSITY OF
SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES**

**UNIVERSITY EXAMINATION FOR DEGREE IN COMMUNITY HEALTH
AND DEVELOPMENT**

2ND YEAR 1ST SEMESTER 2013/2014 ACADEMIC YEAR

CENTER: MAIN CAMPUS

COURSE CODE: SBI 3211
COURSE TITLE: BASIC MICROBIOLOGY
EXAM VENUE: STREAM: BSc. In Community Health & Devt.
DATE: 04/12/2013 EXAM SESSION: 9.00-11.00 AM

Instructions:

- 1. Answer ALL 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.**

Answer ALL Questions

1. Differentiate *prokaryotes* from *eukaryotes*, with one example each (4 marks)
2. Define the term *normal flora*, and name any three examples (4 marks)
3. Name any four common causative agents of pneumonia (2 marks)
4. With examples, name the clinical classes of human mycoses (6 marks)
5. Name any six enteric bacteria of medical importance, with respective pathologies (6 marks)
6. Briefly explain the development and medical relevance of any parasitic worm (8 marks)

Part III: Answer Any TWO Questions (20 marks each)

1. Discuss the factors that have made tuberculosis a major concern in nursing practice today. (20 marks)
2. Briefly describe the common sterilization methods used in community or facility settings. (20 marks)
3. Discuss any five ways in which microorganisms may be useful to man (20 marks)
4. Using any four examples, describe the features that enhance microbial virulence (20 marks)