

JARAMOG OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATIONS 2012/2013
2nd YEAR 2nd SEMESTER EXAMINATIONS FOR THE DEGREE OF BSC. PUBLIC
HEALTH
(KISII LEARNING CENTRE)

COURSE CODE: HCD 3226

COURSE TITLE: MEDICAL BACTERIOLOGY

1. a) List Species of medical importance in the genus *Treponema* 8mks
b) Discuss the four stages of acquired syphilis 12mks
c) List the major diagnostic tests for syphilis 5mks
d) List the main control measures in syphilis 3mks
2. Discuss *Vibrio cholerae* under the following sub-topics 20mks
 - a) Characteristics
 - b) Antigenic structure
 - c) Clinical features
 - d) Diagnosis
 - e) Treatment and control
3. a) Outline the clinical features of the infection caused by *Salmonella* species 15 mks
b) List the five strains of *E. coli* that are associated with diarrhea 5mks
4. Discuss the major diarrheal diseases that affect children under five years of age in developing countries 20mks
5. a) Describe the major infection control measures carried out in the hospital environment 10mks
b) List the factors that promote the spread of bacterial infections in the community.