JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

COMMUNITY HEALTH AND DEVELOPMENT

2ND YEAR 2^{ND}SEMESTER 2018/2019 ACADEMIC YEAR

KISII CAMPUS.

COURSE CODE: HCD: 3221

COURSE TITLE: PRINCIPLES OF EPIDEMIOLOGY

EXAM VENUE: STREAM: BSc Public/Comm. Hlth & Dev

DATE: EXAM SESSION:

TIME: 2.00 HOURS

Instructions:

1. Answer all the questions in Section A and 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.

<u>SECTION A. (30MARKS)</u>

1. Define the following terminologies as used in epidemiology. (5marks)

   a) Epidemic.
   b) Pandemic.
   c) Holoendemic
   d) Host
   e) Sporadic.

2. Outline briefly five uses of epidemiology in public health set up. (5marks)

3. State four main features of an experimental study. (4marks).

4. State four examples of a commonly computed rates in epidemiology. (4marks).

5. Prevalence offers a snap shot of disease burden. Briefly outline the uses of Prevalence Measures in a public health. (5marks).

6. Outline five routes of disease transmission. (5marks)

7. State two example of non-experimental study. (2marks)

SECTION B. (40MARKS)

8. Discuss levels of disease prevention in epidemiology. (20marks).

9. Describe the phases of infectious disease cycles. (20marks).

10. a) State and explain 7 factors that can influence the prevalence of a disease (14marks).

   b) Classify and state two example in each analytical study design. (6marks)