JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR DIPLOMA IN COMMUNITY HEALTH AND DEVELOPMENT

2ND YEAR 2ND SEMESTER 2018/2019 ACADEMIC YEAR

MAIN CAMPUS

COURSE CODE: HDC 2222

COURSE TITLE: INTRODUCTION TO DEMOGRAPHY AND POPULATION STUDIES

EXAM VENUE: MAIN CAMPUS

DATE: **EXAMINATION SESSION: 2-3:30 PM**

TIME: 1 HR 30 MINS

<u>**Instructions:**</u>

1. Answer all the 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.

1. Define the following terms: (1 Mark each)
      (i) Life Table
      (ii) Crude death rate
      (iii) Dependency ratio
      (iv) Maternal death
      (v) Life expectancy

2. State three primary methods of data collection in demography   (3 Marks)

3. Define live birth and list minimum data to be collected during live birth registration as recommended by the United Nations   (4 Marks)

4. State the demography balancing equation and describe its components   (3 Marks)

5. Describe three methods of birth control   (3 Marks)

6. State and explain two types of demography   (2 Marks)

7. Highlight challenges facing data collection on the cause of death in Kenya (3 Marks)

8. In 1990, the population of Kenya was 25m, this grew to 45m in 2014.
    a) What is the annual percentage growth for Kenya   (2 Marks)
    b) How long will it take the population to double that of 1990   (2 Marks)
    c) Estimate the population in 2050   (3 Marks)

Answer any two Questions (30 Marks)

1. A survey was conducted in town "X" in September 2003. It revealed a total population of 385,000 (196,500 males and 192,500 females).Total number of children born alive during the year was 16,400. The survey has also recorded a total of 5835 deaths (3200 males and 2635 females) during the same year. The survey has also identified the following deaths among the population.

   children<1month=370

   Children 1 month-11month=1100

   Children0 year-4years=1865

   Death of mothers during pregnancy and child birth=130

   Calculate the following rate from the above information :-

   a) Crude Birth Rate

   b)Crude Death Rate

   c)Infant Mortality Rate

   d)Under 5 Mortality Rate

   e)Neonatal Morality Rate

   f)Sex Specific Mortality Rate For Females

   g)Sex Specific Mortality Rate For Males

   h)Maternal Mortality Rate

2. Explain factors that leads to migration in any given country

3. a) Define fertility in demography

   b) Explain factors affecting fertility in Kenya

3. a) Define Death

   b) List and explain reasons behind death rate in certain parts of the country.

   c) What are the minimum data to be collected during death registration as recommended by the United Nations?