



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY  
SCHOOL OF HEALTH SCIENCES  
EXAMINATION FOR DIPLOMA IN COMMUNITY HEALTH  
SPECIAL EXAMINATIONS NOV. 2020**

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**TITLE OF THE COURSE: Introduction to Demography and Population Studies**

**COURSE CODE: HDC 2222**

**DURATION: 2 HOURS**

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**INSTRUCTIONS**

- 1. This paper contains SECTION A and SECTION B**
- 2. SECTION A is compulsory containing 30 marks**
- 1. Answer any TWO question in SECTION B**
- 2. Write all answers in the booklet provided**

**SECTION A 30 MARKS**

1. Define the following terms: ( 2 marks each)
  - (a) Rate of natural increase
  - (b) Life expectancy
  - (c) Brain drain
  - (d) Neonatal mortality rate
  - (e) Pronatalist policy
2. Describe types of population pyramid ( 3 marks)
3. State the demography balancing equation and describe its components (3 marks)
4. Describe three advantages of demographic survey over population census (3 marks)
5. Describe three methods of modern birth control in Kenya (3 marks)
6. Explain the following term as used in demographic data collection:
  - i. De facto method
  - ii. De jure method (2 marks each)
7. In 1990, the population of Kenya was 35, 000, 000, this grew to 47 000 000 in 2014.
  - a) How long will it take for the population to double that of 1990 (1 marks)
  - b) Estimate the population in 2040 (3 marks)

**SECTION B Answer any two Questions (30 MARKS)**

1. Discuss the modern methods of birth control (15 marks )
2. Discuss the methods of data collection in demography (15 marks)
3. Discuss the impact of population growth on public health and environment in relation to the spread and causes of diseases (15 marks)
4. Discuss the factors that have driven the decline of infant mortality rate in Kenya (15 marks)