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(University of Choice)

**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR**

**FIRST YEAR SECOND SEMESTER EXAMINATIONS
FOR THE MASTERS DEGREE
IN
DEVELOPMENT STUDIES**

MAIN EXAMS

COURSE CODE: MDS 813

**COURSE TITLE: POPULATION AND DEVELOPMENT
ECONOMICS**

DATE: Wednesday, 27-04-2022

TIME: 2:00 -5:00

INSTRUCTIONS TO CANDIDATES

ATTEMPT QUESTION ONE AND ANY OTHER THREE QUESTIONS

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating This

Paper Consists of 2 Printed Pages. Please Turn Over.

QUESTION ONE (40 MARKS)

- a) Distinguish between the following pairs of demographic concepts:
- i. Gross reproduction rate and net reproduction rate (4mks)
 - ii. Infant mortality rate and crude death rate (4mks)
 - iii. De facto method and De Jure of census (4mks)
 - iv. Fertility rate and fecundity rate (4mks)
 - v. Immigration and emigration (4mks)
- b) Why do fertility and population growth rates vary from one country to another? (10mks)
- c) Discuss the role of education in human capital development (10mks)

QUESTION TWO

- a) Discuss salient features of census as a source of demographic data. (10mks)
- b) Explain measures the government can put in place to reduce brain-drain from Kenya to other developed countries. (10 mks)

QUESTION THREE

- a) Explain three methods of population projection (6mks)
- b) In 1950, the hypothetical population of Kenya was recorded as 8,545,561. In 1960, the count indicated the population of 10,541,561. What was the rate of growth between 1950 and 1960? (5mks)
- c) Discuss the limitations of population projections. (9mks)

QUESTION FOUR

- a) Differentiate between cohort and period life table. (10mks)
- b) To what extent does rapid population increase make it more difficult to provide essential social services including housing, transport, sanitation and security? (10mks)

QUESTION FIVE

- a) Explain economic and social policies the governments of developing and developed countries and international assistance agencies might consider to bring about a reduction in the overall rates of world population growth. (10mks)
- b) The current pace of population growth in LDCs has deterred economic and social advance and gravity, eaters environmental preservation. Discuss. (10mks)