



MACHAKOS UNIVERSITY

University Examinations for 2018/2019 Academic Year

SCHOOL OF BUSINESS AND ECONOMICS

DEPARTMENT OF ECONOMICS

THIRD YEAR SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF ECONOMICS

EAE 410: DEMOGRAPHIC ECONOMICS

DATE: 25/7/2019

TIME: 2:00 – 4:00 PM

INSTRUCTIONS:

- i) Answer question one (Compulsory) and any other two questions**
- ii) Do not write on the question paper**
- iii) Show your working clearly**

QUESTION ONE (COMPULSORY)(30 MARKS)

- a) Distinguish between the following demographic concepts:
 - i) Demography and Demographics (2 marks)
 - ii) Fertility Rate and Fecundity Rate (2 marks)
 - iii) Immigration and Emigration (2 marks)
- b) i) The total population aged 0-14 as enumerated in Kenya 1980 census was 5,404,291; those aged 65 years and over were 465,465 and those between 15 and 64 years was 5,766,556. Calculate the dependency ratio (3 marks)

- (ii) In 1960, the population of Uganda was recorded as 6,726,815. In 1970 the count indicated a population of 8,545,561. What is the rate of annual growth from 1960 to 1970? (3 marks)

- c) The following table shows demographic statistics of a certain country in a year; study it and answer questions that follows:

Age group	Population		Total No. of Births	
	Male	Female	Male	Female
15-19	10	10	20	80
20-24	20	60	100	100
25-29	40	50	120	90
30-34	25	60	90	100
35-39	50	25	120	50
40-44	20	30	120	50
45-49	15	40	50	100
50-54	10	20	100	100
55-59	5	10	200	300

Note: 1/3 of children born were females

Required

- i) Gross Reproduction Rate (6 marks)
- ii) General Fertility Rate (4 marks)
- iii) Draw a population pyramid based on absolute numbers from the above population structure and discuss its form (8 marks)

QUESTION TWO (20 MARKS)

- a) Explain measures the government of Kenya can put in place to reduce brain drain from Kenya to other developed countries (10 marks)
- b) Distinguish between Marriage and Nuptiality (4 marks)
- c) Explain administrative uses of vital registration records and statistics (6 marks)

QUESTION THREE (20 MARKS)

- a) Explain the costs of population growth on economic development in developing countries (10 marks)
- b) Discuss the theory of demographic transition to various stages of economic development (10 marks)

QUESTION FOUR (20 MARKS)

- a) Discuss the limitation of population projections (10 marks)
- b) Given the following data from a given country:

Number of population according to previous census; 44,086,000

Number of population according to post census; 55,310,000

Number of births in that area during time period of two census; 10,810,000

Required

- Calculate the net migration (4 marks)
- c) Explain salient features of census as a source of demographic data (6 marks)

QUESTION FIVE (20 MARKS)

a)	
	Discuss non-traditional sources of population data based on Fertility and Mortality

- Distinguish between Historical Calendar and Cohort Identification methods of measuring age in Africa (4 marks)
- c) Explain negative effects of migration (8 marks)

