



UNIVERSITY EXAMINATIONS

1ST SEMESTER 2022/2023 ACADEMIC YEAR

**THIRD YEAR EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE (GEOGRAPHY)**

GEOG 317: DEMOGRAPHY

STREAM: R

TIME: 2 HRS

DAY: WED [11.30AM – 13.30PM]

DATE: 14/12/2022

THIS QUESTION PAPER CONSISTS OF THREE (3) PAGES

PLEASE DO NOT OPEN UNTIL THE INVIGILATOR SAYS SO.

INSTRUCTIONS

- Answer questions one and any other two questions.
- Sketch maps and diagrams should be used whenever they serve to illustrate an answer.

QUESTION ONE (COMPULSORY)

- a) Define the following:
- Demography (5 Marks)
 - Vital demographic events (5 Marks)
- b) Define population census and outline its features. (10 Marks)
- c) With reference to Kenya, explain the shortcomings of population censuses as sources of population data. (10 Marks)

QUESTION TWO

- a) Distinguish between fertility and fecundity (5 Marks)
- b) Table 1 below presents statistics on number of births by age of mother for Australia, in 1996.

Table 1: number of births by age of mother for Australia (1996)

Age	Total women	Total births
15-19	621,542	12,509
20-24	694,273	44,837
25-29	709,746	82,782
30-34	720,453	76,435
35-39	727,555	31,864
40-44	672,182	5,113
45-49	640,985	128

Using data presented in table 1:

- Calculate the age specific birth rates. (10 marks)
- Calculate the total fertility rate for Australia (5 Marks)

QUESTION THREE

- a) Define the following measures:
- i. Life expectancy (3 Marks)
 - ii. Infant Mortality (3 Marks)
 - iii. Maternal mortality (3 Marks)
- b) With specific reference to Kenya, highlight on any five factors that are responsible for the prevailing high infant and child mortality rates in some areas. (11 Marks)

QUESTION FOUR

- a) Define the term proximate determinants of fertility. (4 Marks)
- b) Outline the proximate determinants of fertility as proposed by J. Bongaarts (1978) (16 Marks)

QUESTION FIVE

- a) Define the following concepts:
- i. Net Migration (3 Marks)
 - ii. Gross Migration (3 Marks)
- b) Discuss the factors responsible for different forms of internal migration in Kenya. (14 Marks)

