



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

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2023/2024 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER EXAMINATIONS

FOR THE DEGREE

OF

MASTER OF ARTS IN GEOGRAPHY

COURSE CODE: GEO 813

COURSE TITLE: ADVANCED POPULATION GEOGRAPHY

DATE: Friday 8th December, 2023

TIME: 2:00-5:00pm

INSTRUCTIONS TO CANDIDATES

Answer question ONE and any other Three Questions.
Use appropriate Illustrations.

TIME :3 HOURS

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over.

Question ONE

- a. Differentiates between arithmetic and Agricultural densities. (6marks)
- b. Explain why Physiological density is crucial in understanding the food security in a country.

(9marks)

Question TWO

Discuss the challenges of age structure to Kenya's economic development. (15marks)

Question THREE

Examine the basis for resistance to Neo-Malthusianism via of fertility control by less developed countries from Mid-20th Century to date. (15Marks)

Question FOUR

With the help of a diagram explain the concept of optimum population. (15marks)

Question FIVE

- a. Distinguish between population surveys and population register as sources of population data globally. (8marks)
- b. Explain why vital events registration would be a solution to some of the challenges of undertaking census in developing countries. (7marks)

Question SIX

- a. Using the table provided, applying Trussell version of Brass method, calculate the proportion of death among children ever born for the age groups of 15-19 and 45-49. (8marks)
- b. Outline challenges in applying the Brass method in Africa. (7marks)