



MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY
(MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

MAIN EXAM

2023/2024 ACADEMIC YEAR

FOURTH YEAR FIRST SEMESTER EXAMINATION

FOR THE DEGREE OF BACHELOR OF SCIENCE IN PUBLIC HEALTH

COURSE CODE: HEH 413

COURSE TITLE: LAND DEVELOPMENT AND SETTLEMENT MANAGEMENT

DATE: 5/12/2023

TIME: 2.00-4.00 PM

INSTRUCTIONS TO CANDIDATES:

The paper has two sections A and B. Answer any TWO questions in section A and B

MMUST observes ZERO tolerance to examination cheating

Paper Consists of 3 Printed Pages. Please Turn Over



SECTION A: Short Answer questions (SAQs) 40 marks

GENERAL INSTRUCTIONS

- i. There are eight (8) questions in this section.
- ii. Answer all the eight questions. Each Question is 5 marks

Answer the questions in the space provided

SAQ1. Define the following terms as applied in land development and settlement.

[5marks]

- i. Arithmetic density. (1½ marks)
- ii. Physiological density. (2 marks)
- iii. Residential density. (1½ marks)

SAQ2. Briefly explain the World history of urbanization under the following: [5 marks]

- i. The first stage
- ii. The second stage
- iii. The third stage

SAQ3. State four factors that contributed to the history of urbanization in Kenya. [5marks]

SAQ4. What is the purpose of Zoning in Land use planning? [5marks]

SAQ5. What are the ten applications of remote sensing? [5marks]

SAQ6. Write short notes on demography.
[5marks]

SAQ 7. What are the five Categories of photogrammetry? [5marks]

SAQ 8. Briefly explain what you understand by Land Development [5marks]

SECTION B: LONG ESSAY QUESTIONS (LEQ) [30 Marks]

INSTRUCTIONS:

- (I) There are two [3] questions in this section
- (II) Answer any two [2] of the three [3] questions
- (III) Start each question on a fresh piece of paper of the booklet

LAQ1. Discuss the history of urbanization under the following: [15 marks]

i). world history of urbanization. [7 marks]

ii). Kenyan history of urbanization. [8 marks]

LAQ2. Discuss the ill health effects of urbanization in both developed and developing countries, citing

the design features that shall prevent the diseases. [15 marks]

LAQ3 Discuss the use of Geographical Information Systems in public health in both developed and developing countries, citing practical examples

