



**MAASAI MARA UNIVERSITY
REGULAR UNIVERSITY EXAMINATIONS 2021/2022
ACADEMIC YEAR
THIRD YEAR FIRST SEMESTER**

**SCHOOL OF TOURISM AND NATURAL RESOURCE
MANAGEMENT**

**BACHELOR OF REGIONAL AND URBAN PLANNING
COURSE CODE: URP 3102**

COURSE TITLE: INTRODUCTION TO LAND SURVEYING

DATE: 5TH APRIL 2022

TIME: 0830-1030 HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions in section **A** and any other **TWO** in section **B**.

This paper consists of 2 printed pages. Please turn over

Section A : Answer ALL the questions (30 marks)

Question one

- a) Discuss the concept of surveying (5 marks)
- b) Examine the main types of surveying. (10 marks)
- c) Describe the main obstacles in chain surveying. (5 marks)
- d) Examine the stages and processing of land surveying (10 marks)

Section B : Answer any two questions (40 marks)

Question two

Discuss the following concepts as applied in surveying. (20 marks)

- a) Land survey
- b) Topographic survey
- c) Cadastral survey
- d) Engineering survey

Question three

- a) Describe the various techniques of modern surveying. (10 marks)
- b) Distinguish between Geographic Positioning System (GPS) receivers and geodetic receivers. (10 marks)

Question four

- (a) Explain the various survey sampling methods. (10 marks)
- (b) Discuss the errors encountered in chain surveying. (10 marks)

Question five

- a) What is field survey? (10 marks)
- b) Describe the field survey procedures. (10 marks)