

## **MACHAKOS UNIVERSITY**

University Examinations for 2021/2022

## SCHOOL OF ENGINEERING AND TECHNOLOGY BUILDING AND CIVIL ENGINEERING DEPARTMENT FIRST SEMESTER FIRST YEAR EXAMINATION FOR DIPLOMA IN BUILDING AND CIVIL GEOTECHNOLOGY 1

DATE: 29/11/2021 TIME: 8:30 – 11:30 AM

## **INSTRUCTIONS:**

- This Examination contains FIVE questions
- Attempt all questions
- 1. Define the following the terms.
  - a. Mineralogy

b. mineral

b)

c)

2.	State and briefly explain five rock forming minerals.	(10 marks)
3.	Name and briefly explain four physical properties of minerals.	(12 marks)

- 4. a) Define site investigation. (2 marks)
  - - - d) Discuss the term reconnaissance survey as used in site investigation (10 marks)
- 5. Explain the mode of formation of the following types of rocks

Name and explain the stages of site investigation.

Discuss purposes of site investigation.

- a) Igneous rocks
- b) Metamorphic rocks (8 marks)

(4 marks)

(12 marks)

(12 marks)