



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2018/2019 ACADEMIC YEAR
SECOND YEAR FIRST SEMESTER**

**SCHOOL OF BUSINESS AND ECONOMICS
BACHELOR OF SCIENCE IN AGRIBUSINESS MANAGEMENT**

**COURSE CODE: AGB 2103
COURSE TITLE: INTRODUCTION TO SOIL SCIENCE**

DATE: 10TH DECEMBER 2018

TIME: 11.00AM – 1.00PM.

INSTRUCTIONS TO CANDIDATES

Question **ONE** is compulsory.
Answer any other **THREE** questions.

This paper consists of 2 printed pages. Please turn over.

QUESTION ONE

a) Describe the following terms as applied in soil science;

i) Bulk Density **(3 Marks)**

ii) Tilt **(3 Marks)**

iii) Texture **(3 Marks)**

iv) Structure **(3 Marks)**

b) Describe the forces that influence soil water availability to plants. **(6 Marks)**

c) Briefly explain the classification of soils. **(7 Marks)**

QUESTION TWO

Explain the following climatic soil forming factors;

a) Temperature. **(7 Marks)**

b) Precipitation. **(8 Marks)**

QUESTION THREE

a) Discuss the beneficial activities of soil organisms. **(8 Marks)**

b) Explain the role of soil acidity on plant nutrient availability. **(7 Marks)**

QUESTION FOUR

a) Define soil survey. **(3 Marks)**

b) Describe types of soil surveys. **(12 Marks)**

QUESTION FIVE

Explain factors that affect the decomposition of organic matter in soil. **(15 Marks)**

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