



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS 2018/2019 ACADEMIC YEAR FOURTH YEAR SECOND SEMESTER EXAMINATIONS

**SCHOOL OF TOURISM AND NATURAL
RESOURCE MANAGEMENT
BACHELOR OF ENVIRONMENTAL STUDIES**

**COURSE CODE: GEO 3232
COURSE TITLE: SOIL SURVEY AND
 MAPPING**

DATE: 25TH APRIL, 2019
1630HRS

TIME: 1430 -

INSTRUCTIONS TO CANDIDATES

**INSTRUCTIONS: ANSWER ALL QUESTIONS IN SECTION A (25MARKS) AND
THREE IN SECTION B (45 MARKS)**

SECTION A (25 MARKS)

- 1.** Distinguish between the following terms:
 - a. Intensity of mapping versus map Scale
(2 mk)
 - b. General-purpose vs Special-purpose classification
(2 mk)
 - c. Demand-driven vs. supply-driven surveys
(2 mk)
 - d. Soil Series vs Soil Phase
(2 mk)

- 2.** Write short notes on the following terms and concepts;
(3mks)
 - a. Soil Survey,
 - b. Minimum-size delineation,
 - c. Orders of soil survey.

- 3.** Relate the connection between soil taxonomy, soil classification and soil survey.
(3mk)

- 4.** Give an overview of types of any three (3) types soil surveys, scale, purpose and methods.
(6 mks)
 - a. Exploratory
 - b. Reconnaissance
 - c. Semi-Detailed
 - d. Detailed

- 5.** Briefly describe any three factors that influence the soil structure
(5 mks)

SECTION B (45 MARKS)

- 6.** For you to succeed as a professional in your chosen field, being knowledgeable on matters relating to soil survey and mapping is essential. Discuss.
(15 mk)

- 7.** In sufficient details discuss the taxonomic properties used to classify soils.
(15 mks)
- 8.** In sufficient details, discuss the usefulness of soil survey reports and maps
(15 mks)
- 9.** Discuss in sufficient details the five essential steps for carrying out a soil survey.
(15 mks)

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