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DAG 063

University of choice

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)
SCHOOL OF AGRICULTURE, VETERINARY SCIENCES AND TECHNOLOGY (SAVET)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS
2023/2022 ACADEMIC YEAR

MAIN EXAMS
OF
DIPLOMA IN GENERAL AGRICULTURE/HORTICULTURE

COURSE CODE: DAG/DAH 063

COURSE TITLE: INTRODUCTION TO SOIL SCIENCE

DATE: 18.04.2024 **TIME: 8-10AM**

INSTRUCTIONS TO CANDIDATES

This paper is divided into two sections, **A and B**. Answer ALL Questions in SECTION A and any Two in SECTION B

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over

SECTION A: ANSWER ALL QUESTIONS (40 MARKS)

Q1. State the difference between rocks and minerals **(10mks)**

Q3State and explain the 3 types of salt-affected soils in our environment **(6marks)**

Q4. Explain the difference between surface and sub-surface soil **(10marks)**

Q3. Discuss the soil characteristics **(10marks)**

Q4. State the criteria that renders an element to be regarded as an essential element **(3marks)**

Q5. What is soil salinity **(1mark)**

SECTION B (30 MARKS).

Q6.a) Discuss the factors that affect soil formation **(10marks)**

b) Highlight the five components of soil **(5marks)**

Q7. Discuss the different methods of soil conservation **(15marks)**

Q8. State and explain the functions of soil in the ecosystem **(15marks)**

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