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(University of Choice)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

(MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER EXAMINATIONS

FOR THE DEGREE

OF

BACHELOR OF SCIENCE IN DISASTER MITIGATION AND SUSTAINABLE DEVELOPMENT (DMSD)

COURSE CODE: DSM102

COURSE TITLE: EARTH HISTORY AND EVOLUTION

DATE: 29/04/2022

TIME: 12 - 2PM

INSTRUCTIONS TO CANDIDATES

This paper contains **FOUR** Questions

Answer Question **ONE** and any other **TWO** Questions

TIME: 2 Hours

MMUST observes **ZERO** tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over.

Question ONE

- a) Outline the global distribution of land and sea. **(5 Marks)**
- b) Using relevant examples distinguish between exogenous and endogenous processes.

(15 marks)

- c) Describe the causes and effects of glaciation. **(10 Marks)**

Question TWO

- a) Account for the types of glaciers. **(10 Marks)**
- b) Examine the geological action of valley glaciers. **(10 marks)**

Question THREE

- a) Discuss any two numerical dating techniques while highlighting their usefulness in disaster management. **(10 Marks)**
- b) Explain the evolution of the *Homo sapiens* during the Pleistocene epoch. **(10 marks)**

Question FOUR

- a) Account for the various views that try to explain the origin of the Earth. **(5 Marks)**
- b) (i) Outline the features associated with tectonic plate movements. **(10 marks)**
(ii) Explain the significance of plate tectonics. **(5 Marks)**