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**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR**

SECOND YEAR SECOND SEMESTER EXAMINATIONS

MAIN EXAMINATION

**FOR THE DEGREE OF
BACHELOR OF SCIENCE IN GEOSPATIAL INFORMATION
SCIENCE**

COURSE CODE: DPG 210

COURSE TITLE: CARTOGRAPHY AND GEOVISUALIZATION - II

DATE: 21/4/2023

TIME: 12-2PM

INSTRUCTIONS TO CANDIDATES

This paper contains **four (4)** questions.

Question **one (1)** is compulsory {total = 30 Marks}.

Attempt **any other two (2)** {total = 40 Marks} from the remaining questions.

Be brief and to the point.

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

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

SECTION I: COMPULSORY {30 MARKS}

Question ONE

- a] Define map digitization (2mks)
- b] Explain map digitization process in the context of mapping (18mks)
- c] Discuss the concept of 'Geovisualization' as used in mapping (10mks)

SECTION II: ATTEMPT ANY OTHER TWO (2) QUESTIONS {40 MARKS}

Question TWO

- a] Explain any five (5) methods of mapping terrain in cartography (10mks)
- b] Examine the various categories of animation in cartography (10mks)

Question THREE

Discuss the various sources of mapping data used in cartography (20mks)

Question FOUR

Using examples, describe the various factors that determine the usefulness of a map (20mks)