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(University of Choice)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR

THIRD YEAR FIRST SEMESTER EXAMINATIONS

SPECIL/SUPPLEMENTARY EXAMINATION

FOR THE DEGREE OF
MASTER OF SCIENCE IN GEOSPATIAL INFORMATION SCIENCE

COURSE CODE: DPG 313

COURSE TITLE: URBAN & REGIONAL PLANNING

DATE: 28/7/2022   **TIME: 2 - 4 PM**

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.

Question ONE

a) Describe the role of urban planning in Nairobi city [15 mks]
b) As a GIS expert you are hired by Kakamega county government to design a land information management system for its land records. Using examples, describe the steps that you would take to realize the intended system [15 Mks]

Question TWO

Explain the following concepts of land information systems:

a) Cadastre [5 mks]
b) Land Register [5 mks]
c) Land Administration [5 mks]
d) Land Records [5 mks]

Question THREE

Describe the various categories of features within a digital cadaster land information system
[20mks]

Question FOUR
Name and explain, the types of land tenure systems in Kenya   [20mks]

Question FIVE
a) Define land information system   [2mks]
b) Discuss the features of a classical land information system   [18mks]