



MAASAI MARA UNIVERSITY

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

**SCHOOL OF TOURISM AND NATURAL
RESOURCE MANAGEMENT
BACHELOR OF ARTS (GEOGRAPHY)**

COURSE CODE: GEO 414

COURSE TITLE: DATA PROCESSING

DATE: 24TH APRIL 2019

TIME: 8.30AM – 10.30AM

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions in section **A** and any other **TWO** in section **B**.

This paper consists of 2 printed pages. Please turn over

SECTION A (COMPULSORY)

QUESTION ONE

- (a). Using examples, explain the difference between ‘Data’ and ‘Information’. (10 marks)
- (b). Give five types of errors in data processing. (5 marks)
- (c). Make clear comparisons between Manual, Mechanical and Electronic Systems. (9 marks)
- (d). State the characteristics of real-time data processing. (6 marks)

SECTION B (ANSWER ANY TWO QUESTIONS)

QUESTION TWO

- (a). Explain the importance of data visualization. (10 marks)
- (b). Describe the stages in data collection in the agricultural sector. (10 marks)

QUESTION THREE

- (a). Examine the factors that determine the methods of data processing. (10 marks)
- (b). Discuss the Security threats to data and information (10 marks)

QUESTION FOUR

Explain the ethical issues related to data protection of information (20 marks)

QUESTION FIVE

- (a). Explain the causes of data loss in computers (10 marks)
- (b). Show the difference between ‘quantitative data’ and ‘qualitative data’ (10 marks)

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