MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR
SECOND YEAR FIRST SEMESTER

SCHOOL OF TOURISM AND NATURAL RESOURCES MANAGEMENT
BACHELOR OF ARTS (GEOGRAPHY)

COURSE CODE: GEO 2215
COURSE TITLE: INTRODUCTION TO LAND SURVEY

DATE: 23RD APRIL 2018   **TIME: 1100 – 1300HRS**

INSTRUCTIONS TO CANDIDATES

- *Answer question ONE and any other TWO Questions*
- *Use illustrations where appropriate.*

This paper consists of 2 printed pages. Please turn over.

1. a. Explain Five branches of Land survey   (10 marks)

    b. Discuss the principles of land survey   (10marks)

    c.   Describe   the   three   methods   of   linear measurements
                                                      (10marks)

2. a.   Assume that you are required to prepare the map of your University by plane table survey Give the step by step procedures to be followed   (15 marks)

    b.   What are some of the errors you are likely to encounter in the exercise   (5marks)

3. a. Discuss the stages involved in chain surveying   (10 marks)
    b. Explain how the errors in chain surveying are eliminated
                                                      (5marks)

4. a. Explain how you would measure the following using a theodolite
        i. Vertical angle   (6 marks)
        ii. Horizontal angle by repetition   (7marks)
        iii. Magnetic bearing of a line   (7 marks)

5. a. What is contouring in survey   (5marks)
    b. Discuss two methods of contouring survey   (10marks)
    c. Outline the characteristics of contour maps   (5 marks)

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