



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR
THIRD YEAR SECOND SEMESTER**

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

COURSE CODE: GEO 318

COURSE TITLE: QUANTITATIVE

METHODS IN GEOGRAPHY

DATE: 25TH APRIL, 2018

TIME: 1100 - 1300HRS

INSTRUCTIONS TO CANDIDATES

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

1. a. Explain the term scales and outline the three types of scale (6mks)
- b. Describe the two types of ANOVA (6mks)
- c. Discuss ways in which the central tendency is usually expressed (10mks)
- d. Assess the importance of Geographical data (8mks)
2. Examine the different types of data giving relevant examples under each type and where they can be applied (20mks)
3. a. Compute the range and the coefficient of range of these series and state Which one is more dispersed and which one is more uniform (14mks)
- b. Why is it important to use measures of dispersion in statistics (6mks)
4. The following table shows the wages per day and number of workers
- i) Determine the median (8marks)

Wages per day	No.of workers
0-50	6
50-100	10
100-150	4
150-200	16
200-250	4
250-300	15
300-350	15
350-400	30

- ii) Assume that another class interval is added 450-500 with 40 workers does the median change? and if it does what is the new median? (6mks)
- iii) When do we use median as a measure of central tendency (4mks)
- 5 i) Explain the term regression (3mks)
- ii) Distinguish between linear regression and multiple linear regression. (6mks)
- iii) Discuss the different assumptions that a data must have in order for multiple regression to give valid results (11mks)

END
