

KABARAK



UNIVERSITY

UNIVERSITY EXAMINATIONS

2009/2010 ACADEMIC YEAR

FOR THE DEGREE OF BACHELOR OF EDUCATION ARTS

COURSE CODE: GEO 211

COURSE TITLE: QUANTITATIVE METHOD IN GEOGRAPHY

STREAM: SESSION III

DAY: MONDAY

TIME: 9.00 – 11.00 A.M.

DATE: 09/08/2010

INSTRUCTIONS:

1. Answer question ONE and any other TWO questions
2. Sketch maps and diagrams should be used whenever they serve to illustrate an answer

PLEASE TURNOVER

1. (a) Using suitable examples, explain advantages and disadvantages of graphical presentation of geographical data (10Mrks)

(b) Distinguish between the following

(i) Class limits and class interval (3Mrks)

(ii) Discrete and continuous data (3Mrks)

(c) A geographer undertook a study to determine how many times in a year farmers were visited by an extension officer and obtained the following data

34	24	32	42	40	48	6	22
2	58	36	52	8	14	28	56
32	54	30	32	10	12	10	26
14	46	48	54	44	40	12	4
18	6	30	54	20	24	42	24

(i) Using the data provided above, construct Ogive (12Mrks)

(ii) Comment on the results obtained in c(i) above (2Mrks)

2. (a) Differentiate between the following

(i) Descriptive and Inferential statistics (5Mrks)

(ii) Quartiles and deciles (5Mrks)

(b) Discuss merits and demerits of statistics in geographical studies (10Mrks)

3. (a) The data below show the daily mean temperature recorded in an area

<u>Temperature of</u>	<u>Frequency (f)</u>
30-34	8
35-39	12
40-44	6
45-49	6
50-54	9
55-59	7
60-64	5
65-69	3

Using the above data, calculate the following

(i) The mean temperature (8Mrks)

(ii) The median temperature for the area (8Mrks)

- (b) Examine the significance of measures of central tendency in analysis of geographical data. (4Mrks)
4. (a) Distinguish between the following
- (i) Sample and population (5Mrks)
 - (ii) Systematic and stratified sampling (5Mrks)
- (b) Citing specific examples, explain how you would achieve randomness when drawing a sample (10Mrks)
5. (a) What do you understand by the term probability? (2Mrks)
- (b) Explain the characteristics of the normal distribution (3Mrks)
- (c) Write short notes on the following
- (i) Nominal scale (7Mrks)
 - (ii) Ordinal scale (8Mrks)