



THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

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MAIN EXAMINATION

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AUGUST – DECEMBER 2016 TRIMESTER

FACULTY OF ARTS AND SOCIAL SCIENCES

DEPARTMENT OF DEVELOPMENT STUDIES

ODEL PROGRAMME

SDS 211: QUALITATIVE AND QUANTITATIVE TECHNIQUES

Date: DECEMBER 2016

Duration: 2 Hours

INSTRUCTIONS: Answer Question ONE and ANY OTHER TWO Questions

Q1. a) Present the following data on a grouped frequency distribution table
Exclusive form **(4 marks)**

2 3 4 5 7 9 10 11 5 6 7 13 14 15 19 19 24 29 26 5 7 18 19 30 31 9
39 34 35 39

b) On the frequency table indicate less than and more than cumulative frequency **(2 marks)**

c) From the frequency table calculate:

- i) Mean of the distribution **(2 marks)**
- ii) Mode **(4 marks)**
- iii) Standard deviation **(4 marks)**
- iv) Coefficient of quartile deviation **(4 marks)**

d) Giving examples discuss:

- i) Random sampling technique **(5 marks)**
- ii) Systematic random sampling **(5 marks)**

Q2. Write brief notes on the following

- i) Hawthorn effect **(5 marks)**
- ii) Questionnaire **(5 marks)**
- iii) Population/universe **(5 marks)**

- iv) Confidence interval (5 marks)
- Q3. Differentiate between qualitative and quantitative research (20 marks)
- Q4. Giving relevant examples discuss the following:
- a) Observational method of data collection (5 marks)
 - b) Descriptive research (8 marks)
 - c) A questionnaire (7 marks)
- Q5. a) Illustrate the relationship between two variables using scatter diagrams (10 marks)
- b) Discuss skewness of data (10 marks)

END