



THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

A. M. E. C. E. A

MAIN EXAMINATION

P.O. Box 62157
00200 Nairobi - KENYA
Telephone: 891601-6
Fax: 254-20-891084
E-mail: academics@cuea.edu

AUGUST – DECEMBER 2018 TRIMESTER

FACULTY OF ARTS AND SOCIAL SCIENCES

DEPARTMENT OF DEVELOPMENT STUDIES

REGULAR PROGRAMME

SDS 211: QUALITATIVE AND QUANTITATIVE TECHNIQUES

Date: DECEMBER 2018

Duration: 2 Hours

INSTRUCTIONS: Answer Question ONE and ANY OTHER TWO Questions

- Q1. a) Organize the following data into a grouped frequency distribution table. (Inclusive form). Use 5 as class interval **(5 marks)**

**2 3 4 1 5 7 9 21 13 15 18 17 14 10 12 16 7 6 19 22 11 23 22 24 5 3
4 3 2 25.**

- b) From the table :
i) Indicate less than cumulative frequency **(3 marks)**

Calculate:

- ii) Mean of the distribution **(2 marks)**

- iii) Mode of the distribution **(4 marks)**

- iv) The median **(3 marks)**

- c) Discuss the following terms as used in research;
i) Population or universe **(4 marks)**
ii) Descriptive research **(3 marks)**
iii) A sample **(3 marks)**
iv) Pilot study **(2 marks)**

- d) i) Systematic random sampling **(3 marks)**

ii) Association (3 marks)

Q2. You have been selected to participate in a study involving 1200 students from a public university.

Explain how you would select 500 students using simple random sampling (20 marks)

Q3. a) Briefly discuss three types of qualitative research (10 marks)

b) Differentiate probability sampling from non-probability sampling (10 marks)

Q4. a) Discuss characteristics of a good sampling design (10 marks)

b) Explain what is meant by tabulation of data (10 marks)

Q5. Using simple diagrams explain the term correlation as used in research (20 marks)

END