THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

A. M. E. C. E. A

MAIN EXAMINATION

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)**

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        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

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