



THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

A. M. E. C. E. A

MAIN EXAMINATION

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AUGUST – DECEMBER 2018 TRIMESTER

FACULTY OF SCIENCE

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

REGULAR PROGRAMME

DLIS 127: RESEARCH METHODS

Date: DECEMBER 2018

Duration: 2 Hours

INSTRUCTIONS: Answer Question ONE and ANY OTHER TWO Questions

- Q1. a) Formulate a topic of your choice in the area of information science which you would like to research on. **(3Marks)**
- b) Formulate two objectives for your research problem **(4 Marks)**
- c) Using your topic of choice in (1a) define the following terms
i) Independent variable **(3marks)**
ii) Dependent Variable **(3Marks)**
- d) Indicate and briefly explain the sampling method you would use in your research **(5marks)**
- e) Describe any two methods you would use to collect data for your research **(4 marks)**
- f) Distinguish between quantitative and qualitative research **(8marks)**
- Q2. a) Explain what a hypothesis is **(3marks)**
- b) What is a concept in research ? **(1mark)**
- c) Give two functions of concepts in research **(4marks)**
- e) Define a research population **(3marks)**

- f) Briefly describe the following types of research **(9marks)**
- i) Survey research
 - ii) Case study
 - iii) Field research
- Q3. Discuss the key stages in a research process **(20marks)**
- Q4. a) What is scientific research? **(3marks)**
- b) State four basic characteristics of scientific research **(4marks)**
- c) Define sampling methods **(3marks)**
- d) What is the importance of doing sampling in research **(4marks)**
- e) Briefly describe different types of sampling methods **(6marks)**
- Q5. a) Explain what is literature review in a research project **(2marks)**
- b) Why is it important to carry out literature review in research . **(6marks)**
- c) Briefly discuss sources of information **(4marks)**
- d) Distinguish between the following terms; **anonymity** and **confidentiality** as related to ethical issues in research **(4marks)**
- e) Give the advantages of using questionnaires for data collection in field research **(4marks)**

END