THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

A. M. E. C. E. A

MAIN EXAMINATION

JANUARY – APRIL 2014 TRIMESTER

FACULTY OF SCIENCE

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

EVENING PROGRAMME

CLIS 117: RESEARCH METHODS

Date: APRIL 2014	Duration: 2 Hours

INSTRUCTIONS: Answer Question ONE and ANY OTHER TWO Questions

Q1. a) Explain **FIVE** limitations of traditional methods of knowledge acquisition.   **(5 marks)**

b) Formulate **FIVE** research questions on a research problem of your choice.   **(5 marks)**

c) Describe **FIVE** areas of library and information science research.
                                                              (5 marks)

d) Differentiate qualitative and quantitative paradigms in research under the following:
    i)   Approach to inquiry
    ii)   Hypothesis
    iii) Review of related literature
    iv)   Designs and methods
    v)   Research setting   **(10 marks)**

e) Illustrate research process diagrammatically.   **(5 marks)**

ISO 9001:2008 Certified by the Kenya Bureau of Standards

Q2. a) From a survey carried out by the library department on usage of e-materials for learning, the scores were: 20, 15, 15, 14, 14, 14, 12, 10, 8, 8.

Based on the scores:

Compute the standard deviation and deduce its meaning.

$$SD = \sqrt{\frac{\sum(x-\bar{x})^2}{n-1}}$$ **(10 marks)**

b) Assess **FIVE** ethical issues in research.   **(10 marks)**

Q3. Opinion polls in Kenya have been dubbed as incredible: evaluate this statement in light of:
a) Target population
b) Sample and sampling
c) Scope and limitation
d) Data collection instruments   **(20 marks)**

Q4. Justify the role of literature review in library and information science research.   **(20 marks)**

Q5. With examples describe the following data collection instruments:
a) Interview guide
b) Questionnaire
c) Document analysis guide
d) Observation guide   **(20 marks)**

END