



KENYA METHODIST UNIVERSITY

END OF 1ST TRIMESTER 2009 EXAMINATIONS

FACULTY : ARTS AND SCIENCES
DEPARTMENT : COMPUTER INFORMATION SYSTEMS
UNIT CODE : CISY 302
UNIT TITLE : RESEARCH METHODOLOGY
TIME : 2 HOURS

Instructions:

- Answer question *ONE* and any other *TWO* questions.

Question 1 (30 marks)

- a) i) Briefly explain what experimental research entails. (4 mks)
- ii) Analyze the threats to internal validity in experimental design. (10 mks)
- b) Examine the research process highlighting the importance of each stage in the process. (8 mks)
- c) Explain briefly five qualities of a good research. (10 mks)

Question 2 (15 marks)

- a) Explain five characteristics that constitute a researchable problem. (10 mks)
- b) Outline the procedure of selecting a systematic random sample. (5 mks)

Question 3 (15 marks)

- a) Explain the following types of variables giving examples for each:
- i) Dependent
 - ii) Independent
 - iii) Moderating
 - iv) Intervening
 - v) Extraneous (10 mks)
- b) Explain five weaknesses of observation method in research. (5 mks)

Question 4 (15 marks)

- a) Explain the precautions that a researcher should take when writing a research report.
(5 mks)

- b) Give an outline of a technical research report giving the significance of each section.
(10 mks)