



TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & IT

UNIVERSITY EXAMINATIONS 2012/2013

EIT 4309: RESEARCH METHODS

SUPPLEMENTARY/SPECIAL EXAMINATIONS

SERIES: FEBRUARY 2013

TIME: 2 HOURS

INSTRUCTIONS:

- This paper consists of **FIVE** questions
- Answer questions **ONE** and any other **TWO** questions.

This paper consists of Four printed pages.

QUESTION 1

- a) i) Describe a research report.
- ii) Discuss the components of a research report.

- b) Describe how you can identify a good research question. **(4 marks)**
- c) Describe the characteristics of a good research situation. **(6 marks)**
- d) Explain the content of a research proposal. **(6 marks)**
- e) Differentiate between referencing and bibliography. **(4 marks)**
- f) Distinguish between experimental and casual comparative research designs. **(6 marks)**
- g) Define the following term as applied in research methods:
 - i) Historical Research
 - ii) Descriptive Research. **(4 marks)**

QUESTION 2

Discuss ethical issue that concern researchers as well as the community at large. **(20 marks)**

QUESTION 3

An organization dealing with research has asked to head the research data collection department and there are new employees you need to use in the data collection exercise.

Required:

Discuss the data collection methods that you would be advising them to use and state under what context the methods would be more appropriate. **(20 marks)**

QUESTION 4

a) Define the following term as applied in research methods:

- i) Research problem statement
- ii) Research justification
- iii) Research hypothesis
- iv) Case study
- v) Focus group

(10 marks)

b) Describe in details how you would conduct literature review for your research problem.

(5 marks)

QUESTION 5

Describe in details any **FIVE** common research strategies.

(20 marks)