TECHNICAL UNIVERSITY OF MOMBASA

Institute of Computing and Informatics

Department of Computer Science & Information technology

UNIVERSITY EXAMINATION FOR:

BSIT2013S/BTIT2013S

BIT2301/EIT4309: RESEARCH METHODS

END OF SEMESTER EXAMINATION

SERIES:APRIL2016

TIME:2HOURS

DATE:10May2016

<u>**Instructions to Candidates**</u>
You should have the following for this examination
-Answer Booklet, examination pass and student ID
This paper consists of **five** questions. Attemptquestion ONE (Compulsory) and any other TWO questions.
Do not write on the question paper.

Question ONE (Compulsory)

a) Outline is the research process.   (5 marks)

b) State the general goals of research   (4 marks)

c) State any five focus areas of research assessment   (5 marks)

d) Explain the term research methods   (2 marks)

e) Compare quantitative and qualitative research   (6 marks)

f) Explain the meaning of the following terms in relation to citations: quoting; summarizing facts; paraphrasing a source   (5 marks)

g) State the items to include in a reference   (3 marks)

Question TWO

Discuss clearly how a research project is evaluated in the following sections: introduction, methods, results, conclusions, and references   (20 marks)

Question THREE

Discuss the following data collection tools:

- Interviews
- Focus groups
- Diaries and Self-Reported Checklists   (20 marks)

Question FOUR

a) State the five sources of research problems   (5 marks)

b) Explain why each of the following items of a research proposal is important:

Problem and sub problems.
Delimitations.
Definitions.
Assumptions.
Literature review.

(15 marks)

Question FIVE

a) Distinguish between secondary data source and primary data source   (4 marks)

b) Discuss the advantages disadvantages of secondary data source and primary data source   (16 marls)