



# TECHNICAL UNIVERSITY OF MOMBASA

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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: APRIL 2016**

**TIME: 2 HOURS**

**DATE: 10 May 2016**

## **Instructions to Candidates**

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **five** questions. Attempt question ONE (Compulsory) and any other TWO questions.

**Do not write on the question paper.**

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## **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 marks)