



THE TECHNICAL UNIVERISTY OF MOMBASA
**Faculty of Engineering &
Technology**

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY
DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY
(DICT)

ECS 2206: RESEARCH METHODS

END OF SEMESTER EXAMINATION
SERIES: AUGUST 2013
TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consists of **FIVE** questions. Attempt question **ONE** and any other **TWO** questions
Maximum marks for each part of a question are as shown
This paper consists of **TWO** printed pages

Question One (Compulsory)

- a) Define the following terms:
- (i) Research methods
 - (ii) Research design
 - (iii) Sample survey
 - (iv) Literature review
 - (v) Data analysis
- (10 marks)**
- b) Explain the steps involved in carrying out a research. **(10 marks)**

Question Two

- a) Explain the components of a research proposal. **(10 marks)**
- b) Explain the following types of research:
- (i) Correlational
 - (ii) Experimental
 - (iii) Causal comparative
- (10 marks)**

Question Three

- a) Explain the importance of reviewing literature when conducting research. **(10 marks)**
- b) Explain the sources of primary literature when conducting research. **(10 marks)**

Question Four

- a) Explain any **FIVE** non-probability sampling methods. **(10 marks)**
- b) Explain the advantages of sampling as opposed to a census. **(10 marks)**

Question Five

- a) Explain the different forms of presenting results from a research process **(10 marks)**
- b) Explain the key contents of a dissertation **(10 marks)**