TECHNICAL UNIVERSITY OF MOMBASA

INSTITUTE OF COMPUTING AND INFORMATICS

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

UNIVERSITY EXAMINATION FOR:

BACHELOR OF TECHNOLOGY IN INFORMATION TECHNOLOGY

(BTIT2016S)

EIT4309: RESEARCH METHODS

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: SEPTEMBER 2018

TIME: 2 HOURS

DATE: Sep 2018

Instructions to Candidates
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

b) State the qualities of a good literature review   (6 marks)
c) Discuss the term reference or citation   (3 marks)
d) Citation and reference is a key component in academic writing, outline five reasons for the importance.
    (5 marks)
e) Explain the term plagiarism as used in academic writing.   (3 marks)
g) Differentiate the following terms by clearly describing them.
- Copyright
- Fair use   (4 marks)

h) State some of the instances you need to cite   (5 marks)
i) State four three ethical factors   (4 marks)

Question TWO

a) Discuss each of the following types of plagiarism: (12 marks)

- Copying plagiarism

- Patchwork Plagiarism
- Paraphrasing Plagiarism
- Unintentional

b) Describe any two approaches to avoid plagiarism.   (4 marks)

c) In addition to plagiarism, outline other 'assessment irregularities' that must be avoided.   (4 marks)

Question THREE

a) Describe five possible considerations when selecting a data collection method   (10 marks)

b) i) Outline any four instruments of data collection   (2 marks)

   ii) Explain the term sampling   (2 marks)

   iii) Differentiate between probability and nonprobability sampling types and give suitable examples of

      each type   (6 marks)

Question FOUR

a) Explain the differences between quantitative research approach and qualitative research approach by discussing their features   (10 marks)

b) Discus the statement "triangulation increases accuracy of data"   (10 marks)

Question FIVE

a) Explain the term research design   (2 marks)

b) Explain the important features of research design   (6 marks)

c) Differentiate between a good research title and a bad research title with a suitable example of your choice in each case.   (8 marks)

d) State any four reasons why every academic should write   (4 marks)