



UNIVERSITY EXAMINATIONS: 2019/2020

**EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN
INFORMATION TECHNOLOGY/ BUSINESS INFORMATION
TECHNOLOGY**

**BIT 2209/ KCA 300: RESEARCH SKILLS AND DESIGN/ RESEARCH
METHODOLOGY**

DISTANCE LEARNING

DATE: MAY, 2020

TIME: 6 HOURS

INSTRUCTIONS: Answer ALL Questions

SECTION B:

QUESTION TWO (20 MARKS)

a) You have been contacted by a KCAU university to conduct study on ICT can be used to address challenges associated with Corona virus disease. In view of this study describe the following:

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| (i) Describe one problem statement | [2 Marks] |
| (ii) Main objective of the study | [2 Marks] |
| (iii) Two specific objectives | [2 Marks] |
| (iv) Write two research questions of this study | [2 Marks] |
| (v) Write any two hypotheses of the study | [2 Marks] |
| (vi) Target population | [2 Marks] |
| (vii) Two significances of the study | [2 Marks] |
| (viii) Type research study you would carry out and why | [2 Marks] |
| (ix) Sampling method you would and why | [2 Marks] |
| (x) Data collection method you would and why | [2 Marks] |

SECTION C:

QUESTION THREE (20 MARKS)

(a) Consider the following reference

Ebbesen, M. (2011). Cross cultural principles for bioethics. In G.D. Gargiulo & A. McEwan (Eds.). *Advanced biomedical engineering* (pp.157-183).

(i) Identify the title of the book, publisher, and authors of the publication, name of the chapter and names of editors [5 Marks]

ii) Write any sentence that demonstrates how *to cite the publication* in text using APA referencing format. [2 Marks]

(b) Peter is a KCA University student that has registered for research project in faculty of computing and information management. He has difficulty in stating a legitimate research problem for his study. He has come to you for advice. Discuss 3 pieces of advice you would offer him about where or how can get started? [3 Marks]

(c) State and explain 5 categories of research approaches. Give one practical example to illustrate each category [10 Marks]