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KIRIRI WOMEN'S UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2023/2024 ACADEMIC YEAR
FIRST YEAR, SECOND SEMESTER EXAMINATION
FOR THE DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY
DCU 1008 – RESEARCH METHODOLOGY

Date: 12TH APRIL 2022
Time: 2:30PM – 4:30PM

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)

- a) i) Define the term Research (2 Marks)
ii) State four reasons as to why research is carried out (4 Marks)
- b) Differentiate between the following terms (6 Marks)
 - i) Data and Information
 - ii) Knowledge and Wisdom
 - iii) Quantitative Research and Qualitative Research
- c) i) Briefly explain four benefits of carrying a review on related literature (4 Marks)
ii) State and explain four guidelines for writing a cohesive literature review (4 Marks)
- d) Explain four ethical issues that you would consider when collecting data (4 Marks)
- e) Differentiate the terms Survey and Sampling from each other (2 Marks)
- f) State two advantages and two disadvantages of survey method in research (4 Marks)

QUESTION TWO (20 MARKS)

- a) Establish and explain four factors considered when choosing a research design (8 Marks)
- b) List down five factors that affect the choice of a research topic (5 Marks)
- c) A Researcher must observe certain standards which guide the research work
Explain four such standards (4 Marks)
- d) Discuss three qualities of a good research (3 Marks)

QUESTION THREE (20 MARKS)

- a) State the meaning of the following terms
 - i) Data analysis
 - ii) Data interpretation
 - iii) The mean
 - iv) The variance (4 Marks)
- b) Differentiate the terms Descriptive Research and Applied Research; and give an example in each case (6 Marks)
- c) Briefly explain five threats to reliability and validity aspects of a research (5 Marks)
- d) Identify the various methods of data presentation (5 Marks)

QUESTION FOUR (20 MARKS)

- a) Explain any four approaches that can be applied during data analysis process (8 Marks)
- b) How would you describe the research process (6 Marks)
- c) State three disadvantages of using observation as a method of collecting data (6 Marks)

QUESTION FIVE (20 MARKS)

- a) A Research Proposal is made up of four major parts. Discuss each of them (8 Marks)
- b) What is Literature Review? Explain two indicators of the scope of literature review (6 Marks)
- c) Establish the three statistical measures of central tendency (6 Marks)