

CHUKA



UNIVERSITY

RESIT/SPECIAL EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
COMPUTER**

COSC 380: RESEARCH METHODS

STREAMS

TIME: 2 HOURS

DAY/DATE: MONDAY 03/05/2021

11.30 A.M – 1.30 P.M

INSTRUCTIONS:

Question number 1 is compulsory. Answer any two questions from the rest.

SECTION A (30 MARKS)

Question one

- a) Explain the following terms as used in research: (5 marks)
- i. Population:
 - ii. control group
 - iii. Sampling
 - iv. extraneous variable
 - v. Parameter
- b) What is the purpose of research ? (5 marks)
- c) State any five source of knowledge in research. (5 marks)
- d) What is research methodology? Explain the importance of research methodologies in any research study. (5 marks)
- e) A good Research will usually satisfy several criteria. Explain any five of these criteria. (5 marks)

- f) State any five source of research problems. (5 marks)

Question two

- a) What is research ethics? Explain the two core principles/fundamental research ethics principles. (6 marks)
- b) Describe the major steps in research. (7 marks)
- c) Describe any four scenarios where quantitative research may be best situated as compared to qualitative research. (7 marks)

Question three

- a) As a researcher list any four different components of a research design. (4 marks)
- b) Scientific methods are usually based on certain basic postulates. Describe any four.(8 Marks)
- c) Distinguish quantitative and qualitative research (8 marks)

Question four

- a) A as a researcher, explain briefly any four characteristics of a good research sample. (4 marks)
- b) When undertaking any research study, there are several difficulties which can make poor research design. List any four. (4 marks)
- c) What are characteristics of a good hypothesis (6 marks)
- d) What is he purpose of literature review in research (6 marks)
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