



MURANG'A UNIVERSITY OF TECHNOLOGY

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF SOCIAL SCIENCES

UNIVERSITY ORDINARY EXAMINATION

2024/2025 ACADEMIC YEAR

THIRDS YEAR FIRST SEMESTER EXAMINATION FOR BACHELOR OF SCIENCE IN CRIMINOLOGY AND SECURITY STUDIES

CCS 301 – RESEARCH METHODS

DURATION: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

1. Answer question ONE and any other two questions.
2. Mobile phones are not allowed in the examination room.
3. You are not allowed to write on this examination question paper.

SECTION A – ANSWER ALL QUESTIONS IN THIS SECTION

QUESTION ONE (30 MARKS)

- a. Explain why research is a viable source of knowledge compared to other sources of knowledge that you are familiar with. (10 marks)
- b. Define the term correlation (3 marks)
- c. Providing relevant examples, explain the following types of correlation:
 - i. Positive correlation (2 marks)
 - ii. Negative correlation (2 marks)
 - iii. Non correlation (2 marks)
- d. List any two factors that necessitate sampling in research. (2 marks)
- e. Describe three types of interviews in research. (9 marks)

SECTION B – ANSWER ANY TWO QUESTIONS IN THIS SECTION

QUESTION TWO (20 MARKS)

- a. Discuss any two strengths and any two weaknesses of personally administered questionnaires. (4 marks)
- b. Differentiate between the following
 - i. Quasi and true experiments (4 marks)
 - ii. Population and sample (4 marks)
 - iii. Stratified and quota sampling (4 marks)
 - iv. Open ended and close ended questions (4 marks)

QUESTION THREE (20 MARKS)

- a. Clearly explain the purpose of a research proposal. (2 marks)
- b. Explain the process of inductive and deductive reasoning in research. (6 marks)
- c. Explain the strengths and weakness of observational research. (4 marks)
- d. In each of the following research questions, indicate giving reasons the most appropriate research design that you would adopt to answer the research question.

- i. Does the fear of fire outbreaks cause home owners in Nairobi to obtain insurance covers against house fires? (4 marks)
- ii. Is there a relationship between urban poverty and crime in Nairobi county? (4 marks)

QUESTION FOUR (20 MARKS)

- a. The scientific method is firmly based on the empirical approach. Explain his statement. (3 marks)
- b. Briefly explain what experimental research entails. (4 marks)
- c. Make a distinction between the following
 - i. Basic and applied research (4 marks)
 - ii. Qualitative and quantitative research (4 marks)
- d. What measurement scale applies to the following question items in a questionnaire. (5 marks)
 - i. What is your age: options;
Younger than 20
20 – 29
30 – 39
40 and above
 - ii. State your religion
 - iii. State your annual income
 - iv. Where do you live
 - v. How satisfied are you with the level of police service in your area?