MURANG'A UNIVERSITY OF TECHNOLOGY

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF SOCIAL SCIENCES

UNIVERSITY POSTGRADUATE EXAMINATION

2024/2025 ACADEMIC YEAR

FIRST YEAR **FIRST** SEMESTER EXAMINATION FOR MASTER IN PUBLIC ADMINISTRATION/LINGUISTICS/CRIMINOLOGY AND SECURITY STUDIES

CRM 600/CPA 604/BRM 609 – RESEARCH METHODS

DURATION: 3 HOURS

INSTRUCTIONS TO CANDIDATES:

1. Answer any FOUR Questions.
2. Mobile phones are not allowed in the examination room.
3. You are not allowed to write on this examination question paper.

QUESTION ONE (25 MARKS)

With the aid of a diagram and use of examples, describe the steps involved in the research process.

QUESTION TWO (25 MARKS)

a. By hand, compute the mean, median, and mode for the following set of 40 reading scores and show all your working. (13 marks)

31	32	43	42
24	34	25	44
23	43	24	36
25	41	23	28
14	21	24	17
25	23	44	21
13	26	23	32
12	26	14	42
14	31	52	12
23	42	32	34

b. Critically comment on thematic, content and discourse analysis. (12 marks)

QUESTION THREE (25 MARKS)

a. Explain at least four outcomes of a literature review. (12 marks)

b. With aid of examples, critique four techniques employed in probability sampling. (13 marks)

QUESTION FOUR (25 MARKS)

a. Review at least five ethical issues considered in research. (10 marks)

b. Analyse five types of research methodologies. (15 marks)

QUESTION FIVE (25 MARKS)

Use these data to answer the following questions:

Total number of problems corrected (out of a possible 20)	Attitude towards test taking (out of possible 100)
17	94
13	73
12	59
15	80
16	93
14	85
16	66
16	79
18	77
19	91

a. Using a calculator, compute Pearson product moment correlation coefficient and show all your working. (10 marks)

b. Construct a scatterplot for these 10 values by hand. Based on the scatterplot, would you predict the correlation to be direct or indirect? Why? (10 marks)

c. Interpret these data using the general range of very weak to very strong and also compute the coefficient of determination. (5 marks)