

UGANDA MARTYRS UNIVERSITY  
END OF SEMESTER II EXAMINATION

RESEARCH METHODOLOGY

(COC 2201)

DATE: Friday, 26/5/2023

09:30 - 12:30 PM

DURATION: 3 hours

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**Instructions:**

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1. Carefully read through ALL the questions before attempting
2. ANSWER any five Questions.
3. Provide all the outputs for all procedures
4. Ensure your work is **clear and readable**. Untidy work shall be penalized
5. Any type of examination Malpractice will lead to automatic disqualification

*Do not write anything on the questions paper.*

1. a) Define research (02 marks)
- b) Explain the following types of research
- (i) Descriptive vs analytical
  - (ii) Applied vs fundamental
  - (iii) Quantitative vs qualitative
  - (iv) Conceptual vs empirical (08 marks)
- c) Explain broadly the process of research (10 marks)
2. a) What is meant by a research problem? (02 marks)
- b) Discuss broadly the different sources of a research problem (08 marks)
- c) Explain the internal and external factors to consider when selecting a research problem (10 marks)
3. a) How is population different from a sample? (02 marks)
- b) Discuss eight techniques of sampling (08 marks)
- c) Explain the process of making a sample survey (10 marks)
4. a) How data is different from information? (02 marks)
- b) Explain the following types of data
- (i) Primary data and Secondary data
  - (ii) Qualitative and quantitative data
  - (iii) Discrete and continuous data
  - (iv) Nominal and ordinal data (08 marks)
- c) What are the sources of collecting secondary and primary data? (10 marks)
5. a) Explain what is meant by a research report and the contents of a research report (10 marks)
- b) Discuss the five principles of writing a report (05 marks)
- c) What are the steps involved in research report writing (05 marks)
6. a) What is meant by scientific method? Distinguish between induction and deduction (10 marks)
- b) Discuss the important characteristics of the scientific method (10 marks)
7. a) What is meant by a research design? (02 marks)
- b) Explain the essentials of a good research design (10 marks)
- c) Explain the important steps involved in a research design (08 marks)