

**102105T4COH**

**Conduct Project Research**

**July/August 2025**



**AMREF INTERNATIONAL TRAINING CENTER**

**CANDIDATE WRITTEN ASSESSMENT**

**Time: 3 HOURS**

**INSTRUCTIONS TO CANDIDATE:**

1. Marks for each question are indicated in the brackets.
2. The paper consists of **TWO** sections: **A** and **B**.
3. Candidates are provided with a separate answer booklet
4. **DO NOT** write on this question paper.

**This paper consists of THREE (3) printed pages**

**Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.**

**SECTION A (40 MARKS)**

*Answer ALL the questions in this section.*

1. A researcher studying factory safety in Nairobi uses existing information instead of collecting new data. Highlight **four** sources of secondary data. (4 Marks)
2. A graduate student submits a research proposal for funding but the proposal is rejected. Identify **four** reasons why a research proposal may be rejected. (4 Marks)
3. Research students at Amref are investigating the causes of high accident rates on Thika road. State **four** data collection methods they will use. (4 Marks)
4. Environmental science students are studying air pollution levels in different urban areas. Identify **four** methods they will use to present the data for decision making. (4 Marks)
5. Amani is studying the experiences of frontline healthcare workers during a pandemic. He chooses to conduct in-depth interviews to gather personal narratives. Enumerate **four** challenges he might face while conducting the interview. (4 Marks)
6. Counselling psychology students are preparing a final report to document their study, findings, and recommendations on teenage mental health awareness. Name **four** benefits of a research project report. (4 Marks)
7. A mental health clinic tracks patient progress during therapy sessions. The clinic uses data processing software to manage patient feedback, monitor stress levels, and generate reports. State **four** data processing software. (4 Marks)
8. Data analysis consists of several phases that are interactive in nature. Highlight **four** data analysis phases. (4 Marks)
9. A university is conducting a survey on student well-being. They send out an online questionnaire but receive a very low response rate. Identify **four** factors that might be contributing to the low response rate. (4 Marks)
10. Research can be classified based on their purpose or function. Outline **two** differences between pure and applied research. (4 Marks)

**SECTION B (60 MARKS)**

**Answer Any Three Questions**

11. A local government agency is planning to evaluate the effectiveness of a new youth employment program targeting recent high school graduates in urban areas. As a social science student, you have been asked to draft a comprehensive research proposal to guide this study.
- a) Describe **five** components of a research proposal. (10 Marks)
  - b) Explain **five** benefits of a research proposal. (10 Marks)
12. You have been appointed as a junior researcher in a community-based organization tasked with evaluating the historical development and impact of health interventions in urban informal settlements over the past 20 years. Due to limited access to real-time field data, your supervisor suggests beginning with existing records and archived materials before conducting primary research.
- a) Discuss **five** advantages of using documentary sources. (10 Marks)
  - b) Analyse **five** differences between primary and secondary data. (10 Marks)
13. You are conducting a study on the nutritional habits of university students across five campuses in different counties. Given the diversity of the student population, your goal is to obtain representative and reliable data that can be generalized to the entire student body. Your supervisor emphasizes the importance of using appropriate sampling methods to ensure data accuracy.
- a) Describe **four** probability sampling techniques that could be applied to this study. (8 Marks)
  - b) Discuss **six** disadvantages of non-probability sampling techniques. (12 Marks)
14. You are enrolled in a research methods course and preparing to develop a proposal for your final-year project. Your lecturer encourages you to reflect critically on issues in your professional environment and community to identify a relevant and meaningful research problem that can drive impactful inquiry.
- a) Describe **five** Sources of a research problem. (10 Marks)
  - b) Explain **five** benefits of research. (10 Marks)