



**AMREF INTERNATIONAL UNIVERSITY**  
**SCHOOL OF PUBLIC HEALTH**  
**DEPARTMENT OF COMMUNITY HEALTH**  
**BACHELOR OF SCIENCE IN COMMUNITY HEALTH**  
**END OF SEMESTER EXAMINATION DECEMBER 2023**

**UNIT CODE: HMD 221: UNIT NAME: INTRODUCTION TO RESEARCH METHODS**

**DATE: 13 DECEMBER, 2023**

**TIME: TWO Hours**

**Start: 4.15PM**

**Finish 6.15PM**

**INSTRUCTIONS**

1. This exam is marked out of 70 marks
2. This Examination comprises TWO Sections  
**Section A:** Compulsory Question (30 marks)  
**Section B:** Long Answer Questions (40 marks)

**SECTION A: COMPULSORY (30 Marks)**

**Short Answer Questions**

- 1 a. Outline five Value of Acquiring Research Skills as a health system manager. 5 Mark
- b. State five sources of information when reviewing literature 5 Marks
- c. State at least five Purpose of hypothesis in the research 5 Marks
- d. Outline five characteristics of a good sample design 5 Marks
- e. Give five Advantages of using Interview as data collection tool. 5 Marks
- f. Outline five functions of the facilitator during focus group discussion 5 Marks

**SECTION B (Set 3 Questions each 20 Marks)**

**ANSWER ANY TWO (2) QUESTIONS (40 Marks)**

**Long Answer Questions**

2. Describe the following Probability sampling methods as used in research.

- i.** Simple Random Sampling (SRS) (4 Marks)
- ii.** Systematic Sampling (4 Marks)
- iii.** Stratified sampling (4 Marks)
- iv.** Cluster sampling: (4 Marks)
- v.** Multi-Stage Sampling (4 Marks)

3. As a student at Amref International University preparing to go in the field to carry out research, discuss any five major activities of the fieldwork phase. 20 Marks

4. A nutritionist wants to determine the prevalence of malnutrition among under 5 children in Musambi region. If a sample of 3000 children is required,

(a) what is the sampling technique he should use to select the required subjects. (4Marks)

(b) Write a short note on the procedures (steps) he should follow in selecting these subjects (8Marks)

(c) indicate four advantages of the techniques (8marks)