



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF HEALTH SYSTEMS MANAGEMENT AND DEVELOPMENT
BACHELOR OF SCIENCE IN HEALTH SYSTEMS MANAGEMENT AND
DEVELOPMENT/BACHELOR OF SCIENCE IN COMMUNITY HEALTH.
END OF THIRD SEMESTER EXAMINATION SEPTEMBER-DECEMBER, 2025.

UNIT CODE: HMD 221/CHP233: UNIT NAME: INTRODUCTION TO RESEARCH METHODS

TIME: Two Hours
Date : December 2025
TIME : Two (2) Hours Start-----End.....

INSTRUCTIONS TO CANDIDATES

- 1) This exam is out of 70 marks
- 2) Section-A is compulsory with a Total of 30 Marks
- 3) Answer any TWO (2) questions in Section B

Read carefully the additional instructions preceding each section.

- 1a. Outline Five characteristics of a good research 5 Marks
- b. Outline Five Steps involved in carrying out descriptive research 5 Marks
- 1c. List Five examples of resources where literature review information could be obtained 5Marks
- 1d. State Five differences between quantitative and qualitative research methods 5 Marks

e. Outline Five main characteristics of a good problem statement for research 5 Marks

f. State Five Ways that the researcher uses to protect respondent's confidentiality 5 Marks

SECTION B: 40MARKS

1. Answer any Two (2) Questions

2. Describe the following Non-probability and Probability sampling methods as used in research

- i. Quota sampling (5 marks)
- ii. Purposeful sampling (5 marks)
- iii. Simple Random Sampling (5 marks)
- iv. Cluster sampling: (5 marks)
- v. Stratified sampling: (5 marks)

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

- a. Define the sampling technique he should use to select the required subjects 2 Marks
- b. Explain the procedures (7 steps) he should follow in selecting these subjects 14 Marks
- c. Give Four advantages of the techniques. 4 Marks

4. As a public health student preparing to carry out research, Discuss Ten major components of a research proposal for academic research 20 Marks