



**AMREF INTERNATIONAL UNIVERSITY**  
**SCHOOL OF PUBLIC HEALTH**  
**DEPARTMENT OF COMMUNITY HEALTH**  
**DIPLOMA IN COMMUNITY HEALTH PRACTICE**  
**SUPPLEMENTARY/SPECIAL EXAMINATION MARCH 2024**

**UNIT CODE:** DCHP 218

**UNIT NAME:** RESEARCH METHODS

**DATE:** Thursday 14<sup>th</sup> March 2024

**TIME:** TWO Hours      **Start:** 9:00AM      **Finish:** 11:00AM

**INSTRUCTIONS**

1. This exam is marked out of 60 marks
2. This Examination comprises TWO Sections  
**Section A:** Compulsory Question (20 marks)  
**Section B:** Long Answer Questions (40 marks)

**SECTION A: COMPULSORY (20 Marks)**

- 1) Define the following terms as used in research
  - a. Independent Variables (2 Marks)
  - b. Hypothesis (2 Marks)
  - c. Limitations (2 Marks)
  
- 2) Outline five characteristics may be gathered from the definitions of 'Research' (5 Marks)
  
- 3) Highlight the three forms of research design (3 Marks)
  
- 4) Highlight TWO reasons why doing a pilot study is important in research (2 Marks)

5) Identify FOUR limitations of descriptive studies (4 Marks)

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

6) Using a diagram, describe the difference between prospective cohort study and retrospective cohort study (20 Marks)

7) You have been invited to give a talk to a group of research assistants on probability and non-probability sampling. Describe FIVE advantages and disadvantages of the two types of sampling (20 Marks)

8) You have been invited by an organization in India to carry out sample size determination Of a study on mental illness whose prevalence stand at 15%. Use the appropriate formula in determining the sample size as you also include the no response n your final data. (20 Marks)

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