



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**FACULTY OF HEALTH SCIENCES**  
**2024 1 EXAMINATION**

**PROGRAMME: MSc. PUBLIC HEALTH**

**COURSE CODE: PHS805**

**COURSE TITLE: RESEARCH METHODS IN PUBLIC HEALTH**

**CREDIT UNITS: 3**

**TIME ALLOWED: 3 HOURS**

**ATTEMPT ALL QUESTIONS**

**SCORE: 70 MARKS**

1. Concept definitions in sampling and Bias are conspicuous in research in a bid to work with a stable blueprint
  - a. Enumerate the five (5) concepts definition within the sampling context (10 marks)
  - b. Briefly describe the type of Bias seen in research that could threaten validity (8 marks)
  
2. Case control and Cohort Studies are often confusing to the Beginner Researcher and these must be properly addressed
  - a. Differentiate between Case Control and Cohort Studies. Buttress your points with examples (8 marks)
  - b. Briefly describe Randomized Controlled Clinical Trials (6 marks)
  - c. What is the usefulness of Analytic Designs and how can you distinguish the design from descriptive design (6 marks)
  
3. Hypotheses generation in research tends to give credence to the results of the study
  - a. Briefly describe Hypothesis in research (5 marks)
  - b. Differentiate between Alternate and Null Hypotheses (8 marks)
  - c. What is the purpose of Hypotheses in research (3 marks)
  
4. Briefly explain the following terms
  - i. Research Designs (4 marks)
  - ii. Pilot Study (4 marks)
  - iii. References and Bibliography (4 marks)
  - iv. Problem Statement (4 marks)