



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**UNIVERSITY VILLAGE, PLOT 91, CADASTRAL ZONE**  
**NNAMDI AZIKIWE EXPRESS WAY, JABI, ABUJA**  
**FACULTY OF HEALTH SCIENCES**  
**DEPARTMENT OF PUBLIC HEALTH SCIENCE**  
**2023\_2 EXAMINATIONS\_**

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**COURSE TITLE: Research Methods in Public Health (PHS421)**  
**COURSE UNITS: 3 Units**  
**TIME ALLOWED: 2 Hours**  
**TOTAL MARKS: 70%**  
**INSTRUCTION: Answer all the Questions**

**QUESTION 1      20 marks**

- 1a. Research is commonly referred to as search for knowledge. Explain with clear examples what you understand as Research. **(10 marks)**
- 1b. Enumerate the steps in Research process. **(10 marks)**

**QUESTION 2      10 marks**

Explain what you understand as quantitative research approach. **(10 marks)**

**QUESTION 3      20 marks**

- 3a. Describe research design. **(10 marks)**
- 3b. Describe different ways research design can be split. **(10 marks)**

**QUESTION 4      20 marks**

- 4a. What are the principles governing scientific methods of research? **(7 marks)**
- 4b. If 10 per cent of the population is taken as a sample from a population of 5,000 households. What is the sample interval,  $n$ ? **(10 marks)**
- 4c. What type of sampling was carried out in Question 4b? **(3 marks)**