



**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**  
**EXAMINATION QUESTIONS 2021\_2**

**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)**