



NATIONAL OPEN UNIVERSITY OF NIGERIA
University Village, Nnamdi Azikiwe Express Way, Jabi, Abuja
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF PUBLIC HEALTH SCIENCE
2023_2 EXAMINATIONS_

COURSE TITLE: Research Methods in Public Health (PHS805)

CREDIT UNIT: 3 Units

TOTAL SCORE: 70 Marks

TIME ALLOWED: 2 Hours

INSTRUCTION: Answer All Questions

QUESTION 1 15 Marks

- 1a. Explain the various measurement scales in public health research. **(5 marks)**
1b. Differentiate between interval and ordinal scales with relevant examples. **(10 marks)**

QUESTION 2 20 Marks

- 2a. Highlight the various types of sampling techniques in public health. **(5 marks)**
2b. You are to carry out a study among young children in a local community. Describe the two sampling techniques you will use to select the households and the children. **(10 marks)**
2c. If the sampling frame is 4000 and the sample size is 1000, calculate the sampling proportion and interpret it. **(5 marks)**

QUESTION 3 15 Marks

- 3a. Bias is an error introduced into experimental design. Highlight the various types of bias in an experimental design. **(8 marks)**
3b. List the different types of qualitative research methods and state the advantages of Qualitative research. **(7 marks)**

QUESTION 4 20 Marks

- 4a. You are to carry out a study with a questionnaire. Explain the two (2) tests you will carry out on the questions before administering them to make sure they will answer the research questions and the study objectives. **(10 marks)**
4b. Describe with relevant example Cross sectional study. **(10 marks)**