



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**14-16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS**  
**SCHOOL OF EDUCATION**  
**JANUARY/FEBRUARY 2013 EXAMINATION**

**COURSE CODE: EDU 723 (2 Units)**

**COURSE TITLE: BASIC RESEARCH METHODS IN EDUCATION**

**TIME: 2 HOURS**

**INSTRUCTION: ANSWER ANY THREE QUESTIONS. EACH QUESTION CARRIES EQUAL MARKS.**

1. (a) (i) Distinguish between Population and Sample  
(ii) Discuss TWO types each of Probability and Non-probability sampling techniques.  
(b) A survey research takes different forms. Explain FOUR classifications of survey research.
2. (a) (i) What are questionnaires?  
(ii) Mention SIX components of a questionnaire.  
(b) With relevant examples, explain FIVE variables to be considered under experimental research design.
3. (a) Under what conditions would you use each of the following statistical tools:  
(i) t-test  
(ii) ANOVA  
(iii) Pearson Product Moment Correlation  
(iv) Chi-square  
(b) In a research report writing, research methodology shows the structures of how the research is carried out. Discuss SIX components of research methodology that you know.
- 4 (a) (i) Differentiate between research and educational research

(ii) Explain FOUR characteristics of educational research.

(b) In order to carry out a result-oriented research, it is essential to take necessary process. Explain SIX steps in research process