



NATIONAL OPEN UNIVERSITY OF NIGERIA
14/16 AHMADU BELLO WAY, LAGOS

SCHOOL OF EDUCATION
MAY/JUNE 2013 EXAMINATION

COURSE CODE: EDU 723 (2 Units)
COURSE TITLE: BASIC RESEARCH METHODS IN EDUCATION
TIME: 2 HOURS

INSTRUCTION: ANSWER ANY **THREE** QUESTIONS.

1. (a) State the assumptions that are necessary before using each of the following statistical tools:
 - (i) t-test
 - (ii) ANOVA
 - (iii) Pearson Product Moment Correlation
 - (iv) Chi-square (12 marks)
- (b) In a research report writing, research methodology shows the structures of how the research is carried out. Discuss any SIX components of research methodology that you know. (12 marks)
2. (a) (i) Enumerate any SIX limitations to scientific methods in educational research. (6 marks)
- (ii) Explain FOUR characteristics of educational research. (12 marks)
- (b) In order to carry out a result-oriented research, it is essential to take necessary process. Enumerate FIVE steps in research process (5 marks)
3. (a) (i) Distinguish between Population and Sample (4 marks)
- (ii) Discuss any TWO types each of Probability and Non-probability sampling techniques. (8 marks)
- (b) A survey research takes different forms. Explain FOUR techniques of survey research. (12 marks)
4. (a) (i) What is a questionnaire? (3 marks)

- marks)
- (ii) List FIVE components of a questionnaire. (5 marks)
- (b) With relevant examples, explain any FIVE variables to be considered under experimental research design. (15 marks)