



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF EDUCATION
2019_1 P.O.P EXAMINATION

COURSE CODE: EDU 723

COURSE TITLE: BASIC RESEARCH METHODS IN EDUCATION

TIME ALLOWED: TWO HOURS

INSTRUCTION: ANSWER QUESTIONS ONE AND ANY OTHER TWO.

QUESTION 1

- (a) What are the components of a research questionnaire?(7marks)
- (b) Identify a researchable topic in your area of study.(2marks)
- (c) Suggest three objectives to help you undertake this study.(6marks)
- (d) Suggest three research questions to help you meet the suggested objectives above.(6marks)
- (e) Suggest NINE items in a likert scale presentation to help you answer the research questions. (ie. Three items for a research question)(9marks) TOTAL= 30 MARKS

QUESTION 2

- (a) What is the main purpose of writing a research report?
- (b) Explain the component parts of chapter ONE of a research report.
- (c) Explain the component parts of chapter THREE of a research report.

QUESTION 3

- (a) What do you understand by 'Research Design' (5marks).
- (b) Describe the five major components of a typical research design in education (15 marks)

QUESTION 4

A researcher compared the academic performance of two sets of students in a school in order to find out if their mean performances are significantly different. The samples he collected are as follows

SET	MEAN	STANDARD DEVIATION	NUMBER
A	54%	12,5	80
B	60%	11.0	70

The t- test between two independent means = 3.13, while t on the table at 0.05 = 1.96

- (a) Propose one null hypothesis and one alternative hypothesis for the study.(6marks)
- (b) What should be the degree of freedom? (3 marks)
- (c) What is the decision rule to be applied here? (3 mark)
- (d) What do you think will be the correct decision based on the hypotheses proposed?(4marks)
- (e) What should be the interpretation of the decision taken ?(4 marks)