



**NATIONAL OPEN UNIVERSITY OF NIGERIA
91, CADESTRAL ZONE, JABI, ABUJA
FACULTY OF EDUCATION
2019_2 EXAMINATION**

**PROGRAMME: POSTGRADUATE DIPLOMA IN EDUCATION
COURSE CODE : EDU723
COURSE TITLE: BASIC RESEARCH METHOD IN EDUCATION
CREDIT UNITES: 2
TIME ALLOWED: 2 HOURS
INSTRUCTION: ANSWER QUESTION NO. ONE (1) AND ANY OTHER TWO (2)
QUESTIONS**

- 1 (a) Explain the two (2) types of statistics available to education researchers.
(b) A researcher conducted an opinion survey on parents' career preference for their children. He organized his results in a 4X4 contingency table. Using a statistical test for the hypothesis at 0.05 alpha level, he got 12.05 while the critical value was 3.06.
 - (i) Formulate one null hypothesis and one alternative hypothesis for this study.
 - (ii) What type of statistical test will the researcher use to verify the hypothesis?
 - (iii) What is the degree of freedom used for this study and how was it calculated?
 - (iv) State the decision rule applied in this study.
 - (v) What is the decision in this study? (30 marks)

- 2 (a) How do you understand research?
(b) How does educational research differs from research?
(c) Describe the characteristics of educational research according to Anaekwe (2002).
(20 Marks)

- 3 (a) What do you understand by research methodology?
(b) Briefly describe the components of a research methodology in chapter three of your research report.
(20 Marks)

- 4 (a) What is validity?
- (b) You have developed a questionnaire for your data collection, describe how you will ensure that the instrument is valid and reliable for the use in your research study?