



# NATIONAL OPEN UNIVERSITY OF NIGERIA

91 Cadastral zone, Nnamdi Azikiwe Expressway, Jabi, Abuja

## FACULTY OF EDUCATION

2021\_2 POP EXAMINATION<sup>1678</sup>

PROGRAMME:	B. Sc. Ed./B. A. Ed
COURSE CODE	EDU323
COURSE TITLE	BASIC RESEARCH METHODS IN EDUCATION
CREDIT UNIT	2
TIME ALLOWED	2HOURS
INSTRUCTION	ANSWER QUESTION ONE AND ANY OTHER TWO

### QUESTION 1

- It is now time for you to go to the field to collect data for your research project work. Construct a complete questionnaire with TEN(10) structured items for this exercise. (18marks)
- Explain the SIX(6) characteristics which you think will make this questionnaire a good one. (12 marks)

### QUESTION 2

- Differentiate between a research hypothesis and a research question. (8marks)
- State Four(4) examples of good research questions. (6 marks)
- Formulate Two examples each of good null hypotheses and good alternative hypotheses. (6 marks)

### QUESTION 3

A Mathematics test was administered on 30 students in a class. The scores are given below.

20, 15, 13, 10, 12, 18, 15, 16, 19, 11, 15, 17, 13, 14, 12, 15, 10, 12, 11, 13, 17, 16, 15, 19, 14, 10, 18, 15, 15, 16.

- a. Present the scores in a frequency distribution table having:- i. serial number, ii. Scores, iii, tally, iv, frequency and v. cumulative frequency.(14marks)
- b. Find:- i, the mode, ii, the range, iii, the median. (6 marks)

#### QUESTION 4

- a. When research is classified based on the kind of evidence and analysis used, we have three types. These are quantitative, qualitative and multiple perspective researches. Explain them. (9marks)
- b. Using Three(3) examples in each case, describe the Two sources of research information in a historical research. (11 marks)