



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
Plot 91, Cadastral Zone, Nnamdi Azikwe Express Way, Jabi, Abuja  
**Faculty of Education**

**2020\_1 Semester**

**PROGRAMME: B.Ed.**

**COURSE TITLE: Basic Research Methods in Education**

**COURSE CODE: EDU323**

**CREDIT UNIT(s): 2**

**TIME ALLOWED: 2 HOURS**

**INSTRUCTION: Answer question one and any other two .**

**Question 1**

SN	CLASS INTERVAL	REAL EXACT LIMIT	FREQ.	CUMMULATIVE FREQ.
1	70-74		3	
2	65-69		5	
3	60-64		6	
4	55-59		8	
5	50-54		12	
6	45-49		15	
7	40-44		13	
8	35-39		10	
9	30-34		8	
10	25-29		5	

- i. Complete the composite table above. **(30 marks)**

**Question 2**

- (a). Describe educational research in your own words. **(5 marks).**  
 (b). Explain the five (5) characteristics of educational research.  
**(15 marks).**

**Question 3.**

You are aware that scientific attitude is brought to bear in carrying out educational researches.

- (a). Explain the four scientific attitudes which you have to apply in your research to avoid ethical issues **(10 marks).**  
 (b). Explain the four ethical issues you need to avoid in your research. **(10marks)**

**Question 4**

- (a). What is a variable in research?
- (b). Using examples, differentiate between
  - (i). Independent and dependent variables
  - (ii). Continuous and discrete variables
  - (iii). Interfering and extraneous variables.

**(5 marks)****(15 marks)**