



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
Plot 91, Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi - Abuja  
**FACULTY OF MANAGEMENT SCIENCES**  
**2020\_1 EXAMINATION**

**COURSE CODE: FMS825**

**COURSE TITLE: Research Methods**

**CREDIT UNIT: 3**

**INSTRUCTION: 1. Indicate your Matriculation Number clearly**

- 2. Attempt question one (1) and any other three (3) questions; four questions in all**
- 3. Question one (1) is compulsory and carries 25 marks, while the other questions carry 15 marks each.**
- 4. Present all your points in a coherent and orderly Manner**

**TIME ALLOWED: 2½ Hours**

***Question One***

NOUN Centre's stores has been selling the Wonders of Research study guide for 12 Semesters and would like to estimate the relationship between sales and number of sections of elementary Research taught in each Semester. The data below have been collected.

Sales (units)	33	35	24	61	52	45	65	82	29	63	50	79
No of sections	3	7	6	6	10	12	12	13	12	13	14	15

- a. Obtain the coefficient of correlation **(20 Marks)**
- b. Comment on your result? **(5 Marks)**

***Question Two***

Most research analysis seeks for ASYMMETRICAL relationships.

- a. What are these? **(2marks)**
- b. Describe four types of asymmetrical relationships giving one example in each case. **(13marks)**

***Question Three***

Critically evaluate nine different methods by which data can be collected during the research process. **(15marks)**

***Question Four***

- a. Describe the characteristics of a well-designed questionnaire. **(5marks)**
- b. Describe the rules that should be followed in developing a well-designed questionnaire. **(10marks)**

***Question Five***

- a. Describe at least five ethical standards that researchers should comply with. **(5marks)**
- b. Discuss at least ten problems which confront researchers in developing Countries like Nigeria. **(10marks)**

***Question Six***

- a. Explain in detail each one of the following research designs pointing out their strengths and weaknesses:
  - i. Case Study Research. **(2.5marks)**
  - ii. Causal Comparative Research **(2.5marks)**
  - iii. Experimental Research. **(5marks)**
- b. Describe seven different types of validity and also state why each one is important in research. **(5marks)**