

**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**FACULTY OF SOCIAL SCIENCES**

**DEPARTMENT OF ECONOMICS**

**2019\_2 EXAMINATION**

**COURSE TITLE: RESEARCH METHODOLOGY**

**COURSE CODE: ECO 311**

**UNITS: 3**

**TIME ALLOWED: 3 HOURS**

**INSTRUCTIONS: ANSWER FOUR QUESTIONS. ALL QUESTIONS CARRY EQUAL MARKS**

**QUESTIONS**

1a) Discuss any four (4) significances of research methods in economic analysis (**7.5 Marks**)

1b) List and explain the five (5) characteristics of research **(10 Marks)**

2) List and explain the nine (9) steps that should be followed in research (**17.5 Marks**)

3a) Discuss any four (4) research classifications on the basis of method (**7.5 Marks**).

3b) Itemize and explain the five (5) limitations to a successful application of social research **(10 Marks)**

4a) Discuss the five (5) roles of theory in research **(10 Marks)**

4b) What are the four (4) roles of conceptual framework in research? **(7.5 Marks)**

5a) List any three (3) features of the mean **(3 Marks)**

5b) Calculate the arithmetic mean of the following data 20, 30, 12, 38, 40, 56 **(3.5 Marks)**

5c) Calculate the mean and standard deviation of the following data **(11 Marks)**

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| **Kilometers** | **Frequency** |
| 10 – under 14 | 8 |
| 15 – under 19 | 10 |
| 20 – under 24 | 30 |
| 25 – under 29 | 40 |
| 30 – under 34 | 12 |
| 35 – under 39 | 10 |

6) List and discuss the six (6) steps in sampling procedure (**17.5 Marks**).