FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
FACULTY OF ENVIRONMENTAL TECHNOLOGY,
DEPARTMENT OF ARCHITECTURE.
First Semester Examination, 2017/2018 Session
Research Methods (Evt 411) Question Paper
Time Allowed is 2 Hours

80

Instructions

Answer all questions in section A, and ONLY three (3) in section B. each question in section A carries 4 marks. Each question in section B is allocated 20 marks.

SECTION A: Answer ALL questions in this section, each question carries four (4) marks.

1) Name any four (4) types of research design.   *Any 4 of these Points, 1x4 = 4 Marks*
2) Enumerate any four (4) types of research constructs or variables.   *Any 4 of these Points, 1x4 = 4 Marks*
3) What do you understand by dependent variables?   *2 Points, 2x2=4 Marks*
4) Define independent variables.   *Any 4 Points, 1x4 = 4 Marks*
5) List any four (4) criteria of a good research.   *Any 4 Points, 1x4 = 4 Marks*
6) Enumerate any four (4) problems of conducting research in Nigeria.   *Any 4 Points, 1x4 = 4 Marks*
7) Define analysis of variance (ANOVA) as an analytical tool in research.   *Any 4 points, 1x4 = 4 Marks*
8) Briefly explain any two (2) of the four research measures in social sciences.   *Any 2 Points, 2x2=4 Marks*
9) Outline any four (4) sources of quantitative data in social sciences like architecture. *Any 4 Points, 1x4 = 4 Marks*
10) What are the four parts of a good thesis topic in social sciences like architecture? *Any 4 Points, 1x4 = 4 Marks*

SECTION B: Answer ONLY three (3) in this section

11) Define any four (4) of the following terms relevant to Analysis of Variance (ANOVA).

12a) With the aid of a table, show any five (5) points distinguishing between qualitative and quantitative research strategies.   *Any five (5) paired points, 2x5 = 10 Marks*
b) With the aid of a table, compare and contrast between basic and applied research, i.e. research continuum (5 paired points only).   *Any five (5) paired points, 2x5=10Marks*

13a) Define experimental research.   *Any two (2) correct points, 2x2.5 = 5 Marks*
b) What deductive approach to research?   *Any two (2) correct points, 2x2.5 = 5 Marks*
c) Define inductive research approach.   *Any two (2) correct points, 2x2.5 = 5 Marks*
d) Define qualitative data analysis.   *Any two (2) correct points, 2x2.5 = 5 Marks*

14a) Mention the five qualitative analytical tools.   *5 points, 1x5 = 5 Marks*
b) Briefly explain any two (2) of them in 'a' above.   *2 points, 2x2.5 = 5 Marks*

15a) Use a table to compare between research method and methodology.
                                                              Any five (5) paired points, 2x5=10 Marks
b) Mention any four (4) distinguishing features of one-way and two-way ANOVA (Analysis of Variance).
                                                              Any 4 Points, 4x2.5=10 Marks

16a) Distinguish between primary and secondary data collection.
                                                              Any 2x2, 4 Points, 4x2.5 = 10 Marks
b) Briefly explain EITHER questionnaire survey or field observation.
                                                              Any 4 Points, 4x2.5=10 Marks