



**Department of Surveying and Geoinformatics**  
**School of Environmental Technology**  
**Federal University of Technology**  
**Minna, Nigeria**

**EVT411: Research Methods I**  
**First Semester Examination, 2019/2020 Session**  
**DURATION: 2 Hours.**

**Instructions: Answer Question 1 and any other Two**

- 1b. Write short notes on the three (3) scales of data measurement [9 marks]
- 1c. What is plagiarism? Highlight some of the actions that constitute it and how can it be avoided in research writing [11 marks]
- 1d. With the aid of a flowchart, describe the steps involved in problem-solving techniques in research [10 marks]
- 2a. Highlight five (5) roles of statistics in research [5 marks]
- 2b. Highlight five (5) factors that limits the application of scientific method in social research [5 marks].
- 2c. What are planning problems in research [5 marks]
- 3a. With the aid of flowcharts and practical examples, differentiate between inductive and deductive reasoning [5 marks]
- 3b. What are the major sections of a research project report [5 marks]
- 3c. What are the key characteristics of research [5 marks]
- 4a. Highlight the steps involved in applied research [5 marks]
- 4b. Identify 5 ways of formulating research problems and discuss each of them [5 marks]
- 4c. What are the characteristics of a well-crafted research objective? [5 marks]
- 5a. What is research hypothesis, and how can it be tested? [5 marks]
- 5b. Write short notes on 5 different referencing systems known to you [5 marks].
- 5c. Write short notes on the differences between the two major types of data [5 marks]