

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA  
SCHOOL OF ENVIRONMENTAL TECHNOLOGY  
DEPARTMENT OF ARCHITECTURE

FIRST SEMESTER EXAMINATION FOR 2019/2020 ACADEMIC SESSION

**COURSE TITLE:** RESEARCH METHODS

**COURSE CODE:** EVT 511

**CREDIT UNIT:** 2

**TIME ALLOWED:** 1<sup>1/2</sup> HRS

**COURSE LECTURER:** DR A. D. ISAH

**HEAD OF DEPARTMENT:** DR P. AYUBA

**INSTRUCTIONS:** Attempt three (3) questions and be precise with your answers.

**Q1. a.** Write short notes on the following research items

- i. Variables
- ii. Data coding
- iii. Quantitative and Qualitative sampling procedures.
- iv. Methods of primary data sourcing.
- v. Types of research instruments

b. List and describe any two (2) research ethics that should be observed by a researcher  
**20marks.**

**Q2. a.** Describe the steps involved in literature review process of a research work.

b. Describe the basic features of research problem statement.

**20marks**

**Q3. a.** Outline and describe the basic components of an abstract.

b. Describe the terms citation (using examples) and references (stating its components) in a research report work.

**20marks.**

**Q4. a.** Describe the following components of research method with illustrations/examples.

- i. Data analysis.
- ii. Secondary data.
- iii. Research design.
- iv. Plagiarism.
- v. Sampling Procedure.

b. Describe the term “scientific procedure” in the context of research methodology

**20marks.**