FED'ERAL UNIVERSITY OF TECHNOLOGY, MINNA SCHOOL OF ENVIRONMENTAL TECHNOLOGY DEPARTMENT OF ARCHITECTURE

FIRST SEMESTER EXAMINATION FOR 2016/2017 SESSION

COURSE TITLE: RESEARCH METHODS

COURSE CODE: ARC 711

CREDIT UNIT: 2

TIME ALLOWED: 2 HRS

COURSE LECTURER: DR A. D. ISAH HEAD OF DEPARTMENT: DR P. AYUBA

INSTIRUCTIONS: Answer questions any three questions. Avoid unnecessary details and be

precise: with your answers.

- Q1 a. Describe variables as elements and components of a research.
 - b. Describe the process of developing variables for examining a given phenomenon in a research work.
- Q2 a. Enumerate and discuss components that constitute research process framework.
 - b. Distinguish between quantitative, qualitative and mixed method researches.
- Q3 a. Enumerate any three (3) data collection instruments and state their merits and demerits in application.
 - b. W'rite short notes on the following items
 - i. Data documentation
 - ii. Data coding
 - iii. Data processing
 - iv. Research Method
 - v. Research Methodology
- O4 a. Describe the basic features of APA referencing style and citation.
 - b. Write on the following sampling procedure
 - i. Random sampling procedure
 - ii. Systematic sampling procedure
 - iii. Stratified sampling procedure
 - iv. Sample size
 - v. Sample method
- Q5 a. Describe the following types of research
 - i. Basic research
 - ii. Applied research
 - iii. Summative evaluation
 - iv. Formative evaluation
 - v. Action research
 - b. Describe basic journal and thesis research reporting structure respectively.