



**BOWEN UNIVERSITY (Of the Nigerian Baptist Convention) IWO**  
**COLLEGE OF ENVIRONMENTAL SCIENCE (COEVS) SECOND**  
**SEMESTER EXAMINATION, 2023/2024**  
**ARCHITECTURE PROGRAMME**  
**ARC 314: RESEARCH METHODS IN ARCHITECTURE (2 UNITS)**

**INSTRUCTION: THIS PAPER CONTAINS SIX QUESTIONS. ANSWER QUESTION ONE & ANY OTHER THREE QUESTIONS. TIME ALLOWED: 2 HOURS**

USE WELL LABELED DIAGRAM(S) WHERE APPLICABLE

**WARNING: PLEASE NOTE THAT YOU ARE NOT ALLOWED TO BRING MOBILE PHONE(S) INTO THE EXAMINATION HALL. NON-COMPLIANCE WILL AMOUNT TO EXAMINATION MISCONDUCT AND ATTRACT STIFF PENALTY.**

**QUESTION 1**

- a. What is a scientific research? (5Marks)
- b. Give five (5) characteristics of a scientific research. (10 Marks)
- c. Mention five (5) sources of research topics. (10 Marks)

**QUESTION 2**

- a. Define the following research approaches with examples: (10 Marks)
  - i Qualitative research approach
  - ii Quantitative research approach
- b. Differentiate between a quantitative research and qualitative research approach. (5Marks)

**QUESTION 3**

- a. Mention and discuss briefly four (4) notable types of research. (5Marks)
- b. What are the main reasons for writing a literature review? (5Marks)
- c. What is a keyword and how is it useful in searching the literature? (5Marks)

**QUESTION 4**

- a. Define the following and highlight the relationship between them: (9 Marks)
  - i. Research Aim
  - ii. Research Objectives
  - iii. Research Questions
- b. Highlight the processes involved in conducting a Scientific Research. (6 Marks)

### **QUESTION 5**

- a. An abstract is the window into your research, list and discuss the major components of an abstract. (6 Marks)
- b. Discuss at least three types of abstract and distinguish the most suitable in Architectural research. (9 Marks)

### **QUESTION 6**

- a. Highlight the elements that makes up the Chapter One of a Research Thesis (9 Marks)
- b. Identify the elements that make up a typical appendix of a design thesis. (6 Marks)