



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**FACULTY OF SCIENCES**  
**DEPARTMENT OF ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT**  
**Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja**  
**2022\_1 EXAMINATION**

**COURSE CODE: EMT417**

**COURSE TITLE: SCIENTIFIC WRITING AND PRESENTATION IN ENVIRONMENTAL SCIENCE**

**CREDIT: 2 Units**

**TIME ALLOWED: 2 Hours**

**Instruction:** Attempt question number ONE (1) and any other THREE (3) questions. Question number one (1) carries 25 marks, while the other questions carry (15) marks each.

- 1a. Explain the nine postulates of Campbell (18 marks)
- 1b. Explain the word Assumption (7 marks)
  
- 2a. List the procedures for hypothesis testing (8 marks)
- 2b. Briefly explain Type I Error (7 marks)
  
- 3a. Briefly explain Type II Error (6 marks)
- 3b. Enumerate the five Probability Sampling methods (5 marks)
- 3c. What are the four Non-probability Sampling techniques? (4 marks)
  
- 4a. Examine the advantages of primary data over secondary data? (10 marks)
- 4b. Give five reasons for writing literature review? (5 marks)
  
- 5a. What are the characteristics of a good hypothesis? (5 marks)
- 5b. List the important parts of a good quantitative or qualitative research proposal (10 marks)