



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF SCIENCES
DEPARTMENT OF ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT
Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
2024 1 EXAMINATION

COURSE CODE: ESM 304
COURSE TITLE: RESEARCH METHODS
CREDIT: 3 Units
TIME ALLOWED: 3 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.

- 1.a. List some of the questions that may readily come to mind as a supervisor, administrator or manager of an environmental agency (8 marks)
 - b. What do you understand by the Result Section of environmental research? (10 marks)
 - c. What are the basic components of a good abstract? (7 marks)
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2. a. What is explanatory research? (6 marks)
 - b. Explain sample selection (9 marks)
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- 3.a. Discuss data processing in research (7 marks)
 - b. List the steps involved in the Research Process (8 marks)
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4. Why is method/procedure important and useful to researcher? (15 marks)
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5. What do you understand by pre-testing the data collection schedule? (15 marks)
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- 6.a. What are the items a research proposal should contain? (10 marks)
 - b. What are the two guiding principles of sampling theory? (2 marks)
 - c. Name the three categories of sampling design (3 marks)