



**National Open University of Nigeria**  
**Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja**  
**Faculty of Science**  
**OCTOBER, 2019\_2 EXAMINATIONS**

**COURSE CODE: ESM 304**

**COURSE TITLE: RESEARCH METHODS AND FIELD TRIP**

**CREDIT: 3 Units**

**TIME ALLOWED: 2 ½ Hours**

**Instruction:** Attempt question number ONE (1) and any other FOUR (4) questions. Question number one (1) carries 22 marks, while the other questions carry (12) marks each.

- 1a. What are the major questions an environmental impact assessor usually ask? **(9marks)**
- 1b. State the major questions workers in the oil and gas industry? **(8marks)**
- 1c. Identify the type of research in terms of their perspective **(3 marks)**
- 1d. List the two structure of literature review in environmental science **(2 marks)**
  
- 2a. Enumerate on three content of an abstract **(6 marks)**
- 2b. Identify three contents of an introduction in an environmental research **(6 marks)**
  
3. Explain operational steps you need to follow in order to conduct an environmental research. **(12marks)**
  
- 4a What is sampling? **(1mark)**
- 4b. Identify the various types of Research Design. **(3 marks)**
- 4c. Why prepare a calendar of events in carrying out research? **(8 marks)**
  
- 5a Define a research tool/instrument? **(1mark)**
- 5b. Highlight the key presentations under results chapter in research? **(3marks)**
- 5c. List the major contents of conclusion? **(8marks)**
  
- 6a. Explain the following term **(3 marks)**
  - i. Research
  - ii. Reliability
  - iii. Unbiased and Objective
  
- 6b. Identify the type of research in terms of their perspective **(3 marks)**
- 6c. Write a short note on any two of the following **(6marks)**
  - i. Pure research
  - ii. Correlation research
  - iii. Descriptive research