



**NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SEPTEMBER/OCTOBER 2015 EXAMINATION**

SCHOOL OF SCIENCE AND TECHNOLOGY

COURSE CODE: ESM 304

COURSE TITLE: RESEARCH METHODS AND FIELD TRIP (3 units)

TIME: 2HRS 30MINS

INSTRUCTION: Attempt any five questions

1. Mention and Discuss FIVE elements of research (14 marks).
2. Formulating research problem is the first and foremost step in the research process. Discuss. (14 marks)
3. What is a research proposal? (6 marks)
(b) Justify the need for research proposal (10 marks).
4. Differentiate between pure and applied research.(14 marks)
- 5 Write notes on the following: (a) Explanatory research (7mks); (b) Correlation research (7 mks) = (14 marks).
6. (a) Identify and formulate a research problem in environmental science (b) Explain the sampling techniques that will be most appropriate for your study.(14 marks).