



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF SCIENCES
DEPARTMENT OF ENVIRONMENTAL SCIENCE
Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
2021_2 EXAMINATION

COURSE CODE: EMT301

COURSE TITLE: RESOURCE EVALUATION

CREDIT UNIT: 2

TIME: 2:30MINS

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

1. Identify the well-known electrical methods used in resource evaluation.
- 2a. Explain the Electrical and Electromagnetic Methods of geophysical techniques.
- 2.b. What is soil mechanics?
3. Explain the concept of Reflection and transmission for seismic waves.
4. Explain the concept of fluid dynamics
5. In detail, describe the landscape evolution modeling.