



NATIONAL OPEN UNIVERSITY OF NIGERIA

FACULTY OF SCIENCES

DEPARTMENT OF ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT

Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja

2023_1 POP EXAMINATION.

COURSE CODE: ESM 422

COURSE TITLE: Resource Evaluation

CREDIT: 2 Units

TIME ALLOWED: 2 Hours

Instruction: Attempt question number ONE (1) and any other TWO (2) questions. Question number one (1) carries 30 marks, while the other questions carry (20) marks each.

- QUESTION 1**
- Attempt a definition of resource evaluation
 - State the methods of resource evaluation
 - Enumerate the significance of resource evaluation
 - Explain the market price approach of resource evaluation
 - State three advantages of market price approach of resource evaluation
 - State three limitations of market price approach of resource evaluation

- QUESTION 2**
- Explain the income approach to resource evaluation
 - Highlight the net price method of income approach to resource evaluation
 - what are the limitation of the net price method of income approach to resource evaluation

- QUESTION 3**
- Expatriate on the net price value (NPV) for valuing mineral resource stocks
 - State three key elements applied by NPV to evaluate an asset/investment
 - Mention the limitations of NPV in resource evaluation

- QUESTION 4**
- Explain cost–benefit analysis in project implementation
 - State the purpose of cost–benefit analysis
 - List the steps involved in carrying out a generic cost-benefit analysis

- QUESTION 5**
- Explain the term Geomorphology
 - Mention five Geomorphological Processes
 - Explain any one mentioned in 5b above