



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
2023_2 EXAMINATIONS_

COURSE CODE: ESM 431

COURSE TITLE: ENVIRONMENTAL HEALTH AND SAFETY.

CREDIT: 2 Units

TIME ALLOWED: 2 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)(i) What is EIA? **(2½ marks)**
(ii) List 5 challenges of EIA in Nigeria. **(2½ marks)**
(iii) Define Life Cycle Assessment and give a brief history of its development. **(5 marks)**
(iv) What are the benefits of clean technology to an organization? **(3 marks)**
- 1(b)(i) What are the characteristics of sustainable development? Identify its requirements. **(4 marks)**
(ii) Describe 5 elements basically required in an OH & S Policy. **(2½ marks)**
- 1(c) List three (3) principles of the practice of First Aid. **(3 marks)**
(ii) Give 5 general fire prevention measures? **(2½ marks)**
- 2(a) Define the term CBA. **(5 marks)**
(b) Describe the stages of carrying out risk assessment. **(10 marks)**
- 3(a) Define Environmental audit and state the various types of environmental audit. **(7 marks)**
(b) What incident led to environmental legislation in Nigeria and what was government response? **(8 marks)**
- 4(a) Explain the role of EMS and outline the key elements of an EMS. **(10 marks)**
(b) Identify the reasons why SEA should be introduced in Nigeria. **(5 marks)**
- 5(a) Distinguish between probability and consequence. **(6 marks)**
(b) Describe the First Aid technique for electric shock. **(9 marks)**