



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

COURSE CODE: ESM 403
COURSE TITLE: ENVIRONMENTAL PERCEPTION
CREDIT: 2 Units
TIME ALLOWED: 2 Hours

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.

- 1a) Outline seven methods of waste management. **(7 marks)**
- 1b) What are the concerns associated with open dump method of waste control? **(5 marks)**
- 1c) Define constancy and list the types **(5 marks)**
- 1d) List eight example of air pollutants **(8 marks)**

- 2) Write briefly on ozone layer under the following headings **(15 marks)**
 - (a) Meaning of ozone **(3marks)**
 - (b) Function of ozone layer **(3marks)**
 - (c) Causes of ozone layer depletion **(3marks)**
 - (d) Effect of ozone layer depletion **(3marks)**
 - (e) How to prevent the depletion of ozone layer **(3marks)**

- 3a) Mention five layers of the atmosphere **(4 marks)**
- 3b) Discuss the formation of igneous rock **(6 marks)**
- 3c) What is weathering? **(5 marks)**

- 4) Explain the impacts of mineral exploitation on the lithosphere **(15 marks)**

- 5a) Define water pollution **(5 marks)**
- 5b) Outline the two underlying causes of water pollution **(2 marks)**
- 5c) Identify four (4) major stages of cognitive development **(8 marks)**