



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
2021_2 EXAMINATIONS.

COURSE CODE: EMT307

COURSE TITLE: Environmental Pollution Studies

CREDIT: 3 Units

TIME ALLOWED: 2 Hours: 30 minutes

Instruction: Attempt question number ONE (1) and any other FOUR (4) questions. Question number one (1) carries 22 marks, while the other questions carry (12) marks each.

- 1a) Using the nature of noise list three non-occupational sources of noise pollution **(3marks)**
- 1b) Attempt an elucidation on the pathogenesis of Noise-Induced Hearing Loss (NIHL) **(19marks)**
- 2a) Highlight ways in which road traffic noise can be ameliorated **(8marks)**
- 2b) Discuss how deforestation impacts adversely on the environment globally, discuss how this affects the soil **(4marks)**
- 3) Succinctly discuss land pollution in Africa vis-à-vis forest deforestation **(12marks)**
- 4a) Outline the classes in to which air pollution can be grouped **(3marks)**
- 4b) As the safety officer in a construction organization list the protective measures that a new employee is to observe against industrial noise **(4marks)**
- 4c) With the aid of a diagram describe the evaluation of noise control **(5marks)**
- 5a) Outline the work of pollutants in the environment **(4marks)**
- 5b) Attempt a comparison of primary and secondary pollutants **(5marks)**
- 5c) Describe how Nitric acid acts as a pollutant **(3marks)**
- 6) Highlight the major classes of identified pollutants using the following criteria **(12marks)**
- Chemical composition (3marks)
- Physical state (1 ½ marks)
- The space scales of their effects (1 ½ marks)
- The manner in which they reach the atmosphere (3marks)
- EPA (Environmental Protection Agency of the United States of America) (3marks)

