



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
APRIL/MAY, 2019 EXAMINATIONS

COURSE CODE: ESM 311

COURSE TITLE: AIR AND NOISE POLLUTION.

CREDIT: 2 Units

TIME ALLOWED: 2 Hours

Instruction: Attempt question number ONE (1) and any other THREE (3) questions

- 1a) What are Air Pollutants? (2marks)
- 1b) Attempt a classification of air pollution using suitable examples. (2marks)
- 1c) Identify evidences of Nigeria's experience with atmospheric pollution. (5marks)
- 1d) List 4 forms in which air pollutants can exist? (2marks)
- 1e) List the Man-made (anthropogenic) sources of air pollution (3marks)
- 1f) List the classes of pollutants we have under the following:
- I. Chemical composition:
 - II. Physical state
 - III. The manner in which they reach the atmosphere (11marks)
- 2a) Decree 58 of 1988 provides for the statutory responsibilities for FEPA. What are they? (5marks)
- 2b) Examine any 10 National Coordinating bodies in environmental protection and conservation of national resources that have been put in place in Nigeria. (10marks)
- 3a) Define the term noise (1mark)
- 3b) What is Noise Pollution? (2marks)
- 3c) Discuss any six types of Noise Pollution (12marks)
- 4a) Explain the concept of Ozone (O_3) as a pollutant. (3marks)
- 4b) Name two effects of chlorofluorocarbons. (2marks)
- 4c) Highlight five of the effects of noise on human health (5marks)
- 4d) Explain any five occupational Strategies for Prevention of NIHL (5marks)
- 5a) Differentiate between noise and sound. (5marks)
- 5b) Mention any 5 activities and their sound levels. (5marks)
- 5c) Mention any 5 activities and their noise levels in the environment. (5marks)