https://puredu.net/PurePastQuestions.php



## NATIONAL OPEN UNIVERSITY OF NIGERIA

Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja FACULTY OF SCIENCES

DEPARTMENT OF ENVIRONMENTAL SCIENCE

2023 1 POP EXAMINATION...

COURSE CODE: ESM311 TIME: ALLOWED: 2HRS

**COURSE TITLE: NOISE AND AIR POLLUTION** 

**CREDIT UNIT: 2** 

**Instructions:** Attempt question Number one (1) and any other two. Question number 1 is compulsory and carries 30 marks, while the other questions carry equal marks of (20mks) each. Present all your points in coherent and orderly manner

- 1. With relevant examples, discuss the states of atmospheric pollution in each of the six Geo-Political Zones in Nigeria (30 marks)
- 2a. In ONE paragraph differentiate between air pollution and air pollutants (5 marks)
- **2b**. Discuss the varied classes of pollutants in the atmosphere (15 marks)
- **3.** Give an explanatory note on any four of the following:
- a. Ozone, O<sub>3</sub> (**5marks**)
- b. Carbon Monoxide, CO (5marks)
- c. Chlorofluorocarbons, CFCs: (5marks)
- d. Nitrogen Oxides, NOx: (5 marks)
- e. Hydrocarbons and Volatile Organic Carbons (VOCs) (5 marks). Total (20marks)
- **4.** Discuss in detail any TWO of the activities and mandates of the coordinating bodies of the Nigerian Environment (**20marks**)
- **5a.** What is noise pollution (**5marks**)
- 5b. With relevant examples discuss the varies types of noise pollution known to you (15marks).