

**NATIONAL OPEN UNIVERSITY OF NIGERIA**

Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja

**FACULTY OF SCIENCES**

**OCTOBER/NOVEMBER EXAMINATION 2016**

**COURSE CODE: ESM311 TIME: ALLOWED: 2HRS**

**COURSE TITLE: NOISE AND AIR POLLUTION CREDIT UNIT: 2**

**Instructions: 1. Attempt question Number one (1) and any other three (3).**

**2. Question number 1 is compulsory and carries 22 marks, while the other questions carry equal marks (16) each**

 **3. Present all your points in coherent and orderly manner**

**1.** With relevant examples discuss Atmospheric pollution in Nigeria **(22 marks)**

**2.** Differentiate between air pollution and air pollutants. Discuss the varied classes of pollutants. **(16 marks)**

**3.** Give an explanatory note on any four of the following:

a. Ozone, O3 (**4 marks)**

b. Carbon monoxide, CO **(4 marks)**

c. Chlorofluorocarbons, CFCs: (4 marks)

d. Nitrogen Oxides, NOx: (4 marks)

e. Hydrocarbons and volatile organic carbons (VOCs) **(4 marks) Total (16 marks)**

**4.** Discuss the coordinating bodies on Nigerian environment **(16 marks)**

**5.** With relevant examples discuss the types of noise pollution **(16 marks)**

**6**. Discuss the scope and purpose of the Noise-Induced Hearing Loss **(**NIHL) Meeting **(16 marks)**