

**DEPARTMENT OF GEOGRAPHY  
SCHOOL OF SCIENCE AND SCIENCE EDUCATION  
FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA  
First Semester Examination, 2011/2012**

**COURSE CODE: GRY 517**

**COURSE TITLE: AIR POLLUTION STUDIES**

**Time: 2hrs**

**Instruction:** Answer any 4 questions. The use of illustrative diagrams with specific and relevant examples will be rewarded

1. Emissions trading can benefit both the buyer and the seller through "Gain from Trade". Discuss. (15 Mrks)
- 2.a. Using specific examples differentiate between emission standard and air quality standard. (5 Mrks)
- b. Assess the role of environmentalist in air pollution control programmes. (10 Mrks)
3. Write short notes on the following:-
  - a. Air quality indices (A Q I). (2½ Mrks)
  - b. Air pollution index (API). (2½ Mrks)
  - c. The Earth Summit. (5 Mrks)
  - d. The Urban Heat Island. (5 Mrks)
4. List and explain the various classifications of pollutants. (15 Mrks)
- 5.a. Identify the various sources of water supply in Bosso and its environs. (5 Mrks)
- b. Comments on the programmes put in place by the government to solve the problems of water supply in these areas. (10 Mrks)
6. Explain the effects of air pollution under the following headings:-
  - a. Formation of acid rain. (5 Mrks)
  - b. Aerosol formation. (5 Mrks)
  - c. Depletion of ozone. (5 Mrks)