



**NATIONAL OPEN UNIVERSITY OF NIGERIA  
14-16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS  
SCHOOL OF SCIENCE AND TECHNOLOGY  
JANUARY/FEBRUARY 2013 EXAMINATION**

**ESM 343 : CLIMATE CHANGE AND THE ENVIRONMENT**

**Answer any FOUR questions**

1. Explain the vertical and horizontal distribution of temperature on the earth's surface.
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  - a. Define the term acid precipitation and pH.
  - b Explain the formation of acid precipitation.
  - c. State the effects of acid deposition on the environment.
3. In what ways do urban climate differs from rural climate?
4.
  - a. What do you understand by the term climate change?
  - b. What are the effects of climate change ?
5. What do you understand by primary productivity of a community?
6. Population growth and global warming are the major challenge threatening the environment. Discuss.

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