



**National Open University of Nigeria**  
**Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja**  
**Faculty of Science**  
**OCTOBER, 2019\_2 EXAMINATIONS**

**COURSE CODE: ESM 411**

**COURSE TITLE: Population, Environment and Development.**

**CREDIT: 2 Units**

**TIME ALLOWED: 2 Hours**

**Instruction:** Attempt question number ONE (1) and any other THREE (3) questions. Question number one (1) carries 25 marks, while the other questions carry (15) marks each.

- 1a) Define the term population **(1mark)**  
1b) Explain the major environmental constraints confronted by developing countries **(9marks)**  
1c) How could these constraints be tackled? **(6marks)**  
1d) List the 3 types of population classification parameters **(3marks)**  
1e) Highlight the effects of overpopulation **(6marks)**
- 2a) Outline the environmental impact that has resulted from population growth in developing countries. **(9marks)**  
2b) Using soil studies as example identify the scales in population issues. **(6marks)**
- 3a) What are the causes of global warming? **(5 marks)**  
3b) Identify the 4 gases that are responsible for the bulk of global warming. **(4 marks)**  
3c) What are the implications of youthful population in Nigeria. **(6 marks)**
- 4a) Define soil erosion? **(2marks)**  
4b) What is optimum population about? **(2marks)**  
4c) Explain how early settlements were developed and population activities at that period **(11marks)**
- 5a) Give an overview of the pattern of population distribution in the world. **(10marks)**  
5b) List any five benefits of optimum population **(5marks)**