



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
EXAMINATIONS

COURSE CODE: ESM411

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. Explain the impact of agricultural land degradation as a result of population pressure on food output per capita. (6 marks)

1b. What could be the effects of a bad irrigation project? (5 marks)

c. Explain desertification (14 marks)

2a. What are the implications of desertification on land and people? (10 marks)

2b. List five factors that lead to desertification. (5 marks)

3a. Explain the covert costs attached to the green revolution agricultural programme. (10 marks)

3b. Describe the effects of air pollution and flooding on food production. (5 marks)

4a. Discuss how global warming can impact negatively on agriculture through croplands reduction. (10 marks)

4b. Discuss how population growth and carbon emission are interrelated in developing countries. (5 marks)

5a. Explain the nexus between population and anthropogenic emissions (10 marks)

5b. How is population growth contributing to the problem of land fragmentation in Nigeria and other developing countries? (5 marks)