



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
2021_2 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. Discuss how urban poverty lead to resource decline in the hinterlands. (4mks)
- 1b. Explain how land degradation, occasioned by soil erosion can lead to a decline in food production (9 marks)
- 1c. Explain how developing countries pay a higher price for neglecting environmental accounting. (7 marks)
- 1d. Justify the Need for Sustainable Development (5 marks)

- 2a. Write concisely on soil erosion (5 marks)
- 2b. Assess the critical linkages between population and environment (10 marks)

- 3a. Name and explain the four gases that are responsible for the bulk of global warming (10 marks)
- 3b. Explain the pattern of accelerating population growth (5 marks)

- 4a. Explain the carrying capacity of the earth (6 marks)
- 4b. Explain the three groups of improvements that have increased food and other supplies during the past 200 years. (9 marks)

- 5a. Explain Scale and generalisations in Population and Environmental Issues (10 marks)
- 5b. What are the similar advantages that necessitated the evolution of farming that took place independently in three river basins? (5 marks)