



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF SCIENCES
DEPARTMENT OF ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT
Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
2023_1 POP EXAMINATION.

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 TWO (2) questions. Question number one (1) carries 30 marks, while the other questions carry (20) marks each.

QUESTION 1 a. Enumerate the negative effects of agricultural advancement of green revolution
b. What are the implications of increasing population on fixed agricultural land?
c. Mention some global environmental issues of the 21st century
d. Discuss the connections between population growth and environmental degradation
e. Mention some cost implications of environmental degradation
f. Give a narrative on the need for sustainable development in developing countries.

QUESTION 2 a. Enumerate five environmental resources that constitute economic capital.
b. Mention five input that can be applied to improve agricultural yield
c. Discuss the factors that diminish the renewability of a renewable resource

QUESTION 3 a State the factors of increasing population in tropical African countries
b. List the effects of population pressure on urban cities
c. Suggest measures to stem population migration from rural areas

QUESTION 4 a. State the causes of deforestation in marginal environments
b. Account for the factors that favours early population growth in ancient times
c. Describe the relationship between imbalance in international trade and the non sustainable use of resources

QUESTION 5 a. Enumerate the scales in studying population and environmental issues
b. Discuss the history of population census in Nigeria
c. Expatriate on the importance of population census