



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF SCIENCES
DEPARTMENT OF ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT
Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
POP EXAMINATION 2022_2

COURSE CODE: ESM 411

COURSE TITLE: Population, Environment and Development

CREDIT: 2 Units

TIME ALLOWED: 2 Hours

SET B

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 1a. Enumerate three factors of production

- b. State five environmental problems associated with anthropogenic activities
- c. Suggest ways to curb the increasing waves of environmental problems
- d. Mention the factors that limit the population of man as a food gatherer
- e. Explain the development that contributed to increase in human population
- f. Discuss factors contributing to fertility decline in the developed countries

QUESTION 2a. State the activities that help to increase atmospheric carbon dioxide

- b. Provide examples of nuclear fuel and its energy capacity
- c. Explain the pattern of world population growth between 10,000BC and 1975

QUESTION 3a. State the likely factors that improved life expectancy in the developed world

- b. Enumerate the burden associated with youthful population in developing countries
- c. Explain the linkages between population growth and global warming

QUESTION 4a. State examples of greenhouse gases

- b. Mention the implications of population pressure on the environment
- c. Discuss the contributions of developed countries population to environmental degradation

QUESTION 5a. State the factors of fertility decline on agricultural lands

- b. List the types and mechanism of soil erosion in tropical environment

c. Explain the implications of desertification on livelihood