



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
FACULTY OF SCIENCES
DEPARTMENT OF ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT
2025_2 EXAMINATIONS

COURSE CODE: ESM 411

COURSE TITLE: POPULATION, ENVIRONMENT AND DEVELOPMENT

CREDIT: 2 UNITS

TIME ALLOWED: 2½ HOURS

Instructions: Attempt question Number one (1) and any other (2). *Question Number 1 is compulsory and carries 30 marks, while other questions carry equal marks of 20 each*

- 1a. Investigate the concept of population aging.
 - 1b. Discuss the causes of populations aging.
 - 1c. State three (3) implications of population aging to global development.
 - 1d. Define social support systems.
 - 1e. Outline three (3) challenges of social support systems in Nigeria
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- 2a. What are early warning systems?
 - 2b. Mention two (2) cases of societal collapses resulting from environmental constraints.
 - 2c. Discuss the interplay between environmental degradation and political instability.
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- 3a. Comment on the impact of environmental degradation on marginalized communities
 - 3b. Describe briefly five (5) social factors.
 - 3c. Define social vulnerability.
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- 4a. Examine the concept of population distribution.
 - 4b. List (4) four significance of population distribution.
 - 4c. List three (3) opportunities associated with an older population.
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- 5a. Discuss the concept of sustainable development goals.
 - 5b. Outline sustainable development goals integration of environmental factors.
 - 5c. Outline three (3) of sustainable population management strategies.