



**National Open University of Nigeria**  
**Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja**  
**Faculty of Science**  
**2021\_2 EXAMINATION**

**COURSE CODE: EMT300**

**COURSE TITLE: Environment, Ecosystems and Man**

**CREDIT: 2 Units**

**TIME ALLOWED: 2 Hours**

**Instruction:** Attempt question number ONE (1) and any other THREE (3) questions. Question number one (1) is compulsory and carries 25 marks, while the other questions carry equal marks (15) each.

1a. Briefly explain Human Population Growth (7 marks)

1b. What is Population Growth Rate? (9 marks)

1c. Distinguish between fertility and mortality (9 marks)

2 a. Account for reasons for the increase in population? (6 marks)

2b. List nine effects of overpopulation (9 marks)

3 a. Examine the effective measures to control overpopulation (5 marks)

3b. Explain Species Abundance (10 marks)

4a. Explain ACFOR acronym as a scale used to describe species abundance (5 marks)

4b. Discuss the Characteristics of a Community? (10 marks)

5a. Explain the abiotic components of the ecosystem (6 marks)

5b. List the abiotic factors in an ecosystem (8 marks)

5c. Explain the effects of temperature as it affects ecosystem (1mark)