



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
September 2020_1 Examination

COURSE CODE: EMT 300

COURSE TITLE: Environment, Ecosystems and Management

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) The growth of any population is the interplay of three (3) major factors.

1ai) What are these three (3) major factors? **(3marks)**

1aii) Explain briefly each of these factors **(9marks)**

1b. Mention the two (2) components of an Ecosystem. **(2marks)**

1c. Define a community? **(2marks)**

1d. List any nine (9) characteristics of a community. **(9marks)**

2a. What is human population growth rate? **(1mark)**

2b. List all the factors affecting population growth. **(3marks)**

2 c. How do the demographic factors affect the population growth? **(5marks)?**

2d. Outline any six (6) socio-economic factors that play an important role in the growth of population. **(6marks)**

3a. Define Environmental Planning. **(1mark)**

3b. Write short notes on functional, social and economic integrated planning. **(14marks)**

4a. What is Eco-development. **(2marks)**

4b. State the objectives of Eco-development. **(8marks)**

4c. Explain the conditions for achieving Eco-development. **(5marks)**

5. Describe adaptive and natural resource management. **(15marks)**