



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
91 Cadastral zone, Nnamdi Azikiwe Expressway, Jabi, Abuja  
**FACULTY OF EDUCATION**  
**2024 1 EXAMINATION**

**COURSE CODE: SED 327**

**COURSE TITLE: ENVIRONMENT AND POPULATION**

**CREDIT UNIT: 2**

**TIME ALLOWED: 2 HOURS**

**INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER 2**

**Question 1**

- a. The physical or abiotic environment experienced by an organism depends on several factors; State and explain the factors of the physical environment.
- b. Distinguish between cross and self-pollination and explain the process of seed and fruit development in plants?
- c. Explain any four of the following to prove your understanding of asexual reproduction in plants
- i) Buds
  - ii) Perennating organs
  - iii) Budding
  - iv) Fragmentation
  - v) Spore formation.

**(30 marks)**

**Question 2**

Define Photosynthesis; List and explain five factors that affect the photosynthetic process.

**(20 marks)**