



NATIONAL OPEN UNIVERSITY OF NIGERIA
UNIVERSITY VILLAGE, PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESS WAY, JABI-
ABUJA
FACULTY OF EDUCATION

JANUARY/FEBRUARY 2017_2 EXAMINATION

COURSE CODE: **SED327**

COURSE TITLE: **ENVIRONMENT AND POPULATION**

CREDIT UNITS; **2**

INSTRUCTIONS: **ANSWER QUESTION 1 AND ANY OTHER 2 QUESTIONS.**

TIME: **2Hrs**

QUESTION

1. a. Human population is increasing at an alarming rate and there is the fear that soon earth's resources will not be able to sustain mankind. Discuss five ways by which this threat can be averted. **10 marks**

b. Describe the process of fertilization in plants. **5 marks**

c. Describe the phases of growth **3 marks**

d. Enumerate seven factors that enhance increase in population. **7 marks**

e. Locate the site of production of the following hormones:
 - Somatotrophin
 - Thyroxin
 - Adrenalin
 - Progesterone
 - Oxytocin.**5 marks**

2. a. Define the following terms:
 - i. Demographic transition
 - ii. Carrying capacity of the earth
 - iii. Population
 - iv. Meristem
 - v. Growth**10 marks**

- b. Itemize five causes of male infertility. **10 marks**

- 3.**
 - a. Highlight briefly five areas through which inter-specific relationship can be observed in nature. **10 marks**

 - b. Identify five parts of a flower and for each, state one prominent function. **10 marks**

- 4.**
 - a. What is ecology? Give three reasons for studying ecology. **8 marks**

 - b. There are various approaches to Ecological studies. Briefly describe any four. **12marks**

- 5.**
 - a. Analyze the components of the environment. **5 marks**
 - b. Trace the history of the chemicals found in food. **5 marks**
 - c. Mention five effects of deforestation on the environment. **5 marks**
 - d. Humans are said to be completely dependent on plants. Justify this statement with at least five points **5marks**