



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI - ABUJA
FACULTY OF SCIENCE
Department of Biological Sciences
2022_1 EXAMINATION

COURSE CODE: BIO313

COURSE TITLE: Animal Ecology

CREDIT: 2 UNITS

TIME ALLOWED: 2 HOURS

INSTRUCTION: ANSWER QUESTION ONE (1) ANY OTHER TWO (2) QUESTIONS

- Q1
- a. Define primary productivity? 2marks
 - b. Define detritivores? 2marks
 - c. What is Factor analysis? 2marks
 - d. What is population density? 2.5marks
 - e. Explain the number of forms in which the net results of births, deaths and dispersion can take place. 4.5marks
 - f. State the specific features of stage-dependent life table. 3marks
 - g. Explain the characteristics that distinguish communities from each other. 3marks
 - h. Distinguish between a habitat and ecological niche. 2marks
 - i. Write a comprehensive note on the ecology of Penaeid shrimps 9marks
- Q2
- a. Describe the mode of feeding in leatherback turtles. 5marks
 - b. Briefly write on the history of Ecology? 6marks
 - c. Explain the ways whereby environment and human has changed the scope of many animals 5marks
 - d. Enumerate the successive recruitment phases of shrimps. 4marks
- Q3 :
- a. List the factors that influence population change. 4marks
 - b. Briefly explain any four abiotic factors that affect population growth. 6marks
 - c. Account for the 3 basic methods of constructing life tables 3marks
 - d. Write concisely on the abiotic components of an ecosystem. 7marks
- Q4a. Concisely, write on the habitat and feeding of olive ridley turtle. 10marks
- b. How far and wide can we find the olive ridley turtles? 10marks
- Q5a. Write a short note on White nose syndrome of bats 5marks
- b. With typified example(s) explain the different types of symbiotic relationships. 15marks