



NATIONAL OPEN UNIVERSITY OF NIGERIA
UNIVERSITY VILLAGE, PLOT 91 CADASTRAL ZONE, NNAMDI AZIKIWE
EXPRESS WAY, JABI - ABUJA.
FACULTY OF SCIENCE
DEPARTMENT OF PURE AND APPLIED SCIENCES
OCTOBER/NOVEMBER, 2019 EXAMINATIONS

BIO 308: BIOGEOGRAPHY

TIME: 2Hours

CREDIT UNITS: 2

INSTRUCTION: Answer FOUR questions in all .Question 1 is compulsory

- 1a. State 8 Principles of animal distribution (8marks)
- 1b. Explain the relationship between plants and soil formation processes. (5 marks)
- 1c. List 10 influencing factors on Island Biogeography (5 marks)
- 1d. Give a brief description of the Circumboreal Region of the Holartic Kingdom (7marks)

2. Explain the existence of the following faunas in the Tropical climate:
 - i. Toucans (3 marks)
 - ii. Monarch butterflies (3 marks)
 - iii. Anaconda (3 marks)
 - iv. Capybara (3 marks)
 - v. Poison dart frogs (3 marks)

3. List the subkingdoms of the Paleotropical Kingdom and write short notes on each of them (15 marks)

4. Discuss the relationship between the soil particle sizes, water and nutrients availability to plants (15 marks)

5. Give an account of the following fauna of the Neotropical region
 - i. Reptiles (5 marks)
 - ii. Birds (5 marks)
 - iii. Mammals (5 marks)