



NATIONAL OPEN UNIVERSITY OF NIGERIA

**Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Sciences**

2024 1 EXAMINATION

Course Code: ESM 428

Course Title: Ecology of Natural Resources

Course Unit: 2 Credit Units

Time Allowed: 2¹/₂ Hours

Total Score: 70 Marks

Instructions: Answer Question one (1) and any other two (2)

- | | |
|--|---------|
| 1(a) List and explain five (5) factors of watershed | 15marks |
| 1(b) Explain three (3) Wildlife and Conservation Projects in Africa | 15marks |
| 2. List and explain major threats to wildlife conservation in Africa | 20marks |
| 3(a) Discuss the term Global Warming in resource conservation | 8marks |
| 3(b) Discuss three (3) agricultural activities that mitigate the impact of Greenhouse Gas (GHG) emissions | 12marks |
| 4(a) State the emerging issues confronting the United Nations Educational, Scientific and Cultural Organization (UNESCO) resource conservational organizations | 10marks |
| 4(b) Explain the concept of Biomes | 10marks |
| 5(a) Discuss the effects of Climate Change on agriculture production | 12marks |
| 5(b) State four (4) effects of climate change on land resources | 8marks |

- 5.a) To interface scientific languages with natural languages, what rules need be taken into consideration? *[4 marks]*
- b) Provide more insight on the statement "Data storage is never an end in itself". *[6 marks]*
- c)Elaborate on the 5 aspect of written natural languages *[5 marks]*
6. a) What are the conversion procedures from Decimal to Binary? *[4 marks]*
- b) What relationships exist between indexes and Data record display? *[4 marks]*
- c)Using information systems results in the production of many kinds of data. List them and briefly explain them. *[3 marks]*
- d)Compare and contrast the accuracy and reliability of the data collection tools. *[4 marks]*