



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
FACULTY OF SCIENCES
DEPARTMENT OF ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT
2025_2 EXAMINATIONS

Course Code: ESM 428

Course Title: Ecology of Natural Resources

Course Unit: 2 Credit Units

Time Allowed: 2½ Hours

Total Score: 70 Marks

Instructions: Answer Question one (1) and any other two (2). *Question carry 30 marks while other Questions carry 20 marks each*

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| 1(a) State the differences between biotic resources and abiotic resources | 5marks |
| 1(b) Discuss in detail Game Reserves as Wildlife Conservation Tools in Nigeria | 10marks |
| 1(c) Give a detail analysis on the term Biogeochemical Cycles | 15marks |
| 2(a) Explain in the concept of Environmental Impact Assessment | 10marks |
| 2(b) Give a detail account on the Resource Conservation | 10marks |
| 3(a) With a relevant example, explain the term Natural resources | 12marks |
| 3(b) Enumerate four (4) Principles and goals of resources sustainability | 8marks |
| 4. Discuss in detail the economic, cultural, political and social considerations in resource conservation and management | 20marks |
| 5(a) Give a detailed definition of the term ecological sustainability | 8marks |
| 5(b) Examine four (4) key resource categories needed for human consumption | 12marks |