



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science

SEPTEMBER, 2020_1 EXAMINATION

COURSE CODE: ESM 428

COURSE TITLE: ECOLOGY OF NATURAL RESOURCES

CREDIT: 2 Units

TIME ALLOWED: 2 Hours

Instruction: Attempt question number ONE (1) and any other THREE (3) questions. Question number one (1) carries 25 marks, while the other questions carry (15) marks each.

- (a) Define the term natural resources. **(2 marks)**
- (b) What are biotic resources? **(3 marks)**
- (c) What are the examples of natural resources? **(2 marks)**
- (d) i What are (i) Sun energy resources **(3 marks)**
 (ii) Land resources **(3 marks)**
 (iii) Chalcopyrite **(3 marks)**
- (e) i State the importance of Gypsum **(4 marks)**
 ii Explain the Earth as natural environment. **(3 marks)**
- (f) i What is lithosphere? **(2 marks)**
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- (2a) State the uses of barite. **(2 marks)**
- (2b) List the importance of Chalcopyrite. **(3 marks)**
- (2c) What are the importance of atmospheric resources? **(4 marks)**
- (2d) What is a hydrosphere? **(2 marks)**
- (2e) Explain the term ionosphere **(4 marks)**
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- (3a) Explain briefly ecosystem, habitats and species. **(2 marks)**
- (3b) Explain hoe degradation affect loss of fauna and flora. **(3 marks)**
- 3(c) Describe the concept of tourism and recreation. **(4 marks)**
- (3d) What are the principles of resources sustainability? **(2 marks)**
- (3e) State the goals for resources sustainability. **(4 marks)**
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- (4a) State the functions of Conservation International. **(2 marks)**
- (4b) What is nature and resources? **(3marks)**
- (4c) Define the term potential resources. **(4 marks)**
- (4d) What constitutes Abiotic resources? **(2 marks)**
- (4e) Give examples of natural resources. **(4 marks)**
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- (5a) State the uses of barite. **(2 marks)**
- (5b) List the importance of Chalcopyrite. **(3 marks)**
- (5c) What are the importance of atmospheric resources? **(4 marks)**
- (5d) What is hydrosphere? **(2 marks)**
- (5e) Explain the term ionosphere. **(4 marks)**