



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
2021 EXAMINATIONS

COURSE CODE: ESM317

COURSE TITLE: Land and Water Pollution

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.

- 1a) Explain the procedures of aluminum recycling (5 marks)
 - b) Concisely narrate the processes and output of plastics recycling (5 marks)
 - c) Systematically explain the stages of newsprint recycling (5 marks)
 - d) Describe the function of water runoff in the pollution of water body (5 marks)
 - e) With vivid example, explain the contribution of erosion to water body pollution (5 marks)
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- 2a) Elucidate on pollution reduction (5 marks)
 - b) Expatriate on energy conservation (5 marks)
 - c) Write short note on resource conservation (5 marks)
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- 3a) Explain in detail, biodiversity conservation (7 marks)
 - b) What are the purposes of economic saving of recycling? (3marks)
 - c) Write what you know about land conservation (5 marks)
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- 4a) What are the benefits of biodiversity conservation? (5 marks)
 - b) Expound on the roles of man in reducing biodiversity (5 marks)
 - c) Succinctly enumerate the benefit derived from forest conservation (5 marks)
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- 5a) Give account of forest disappearance in Brazilian Amazon Basin (4 marks)
 - b) Based on the Food and Agriculture Organization (FAO) report, narrate the rate of forest decline globally (7 marks)
 - c) What are the effects of petroleum products on ecosystem? (4 marks)