

National Open University of Nigeria Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja Faculty of Science 2023_2 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) Define the term hazardous wastes 1b) State briefly water borne infectious diseases 1c) When does chemical water pollution occur? 1d) i Define the term pesticides with examples ii What are the effects of mercury to human beings iii Define acid mine drainage 1e) i State briefly the concept of water quality ii Define land pollution 1f) Itemise sources of solid wastes that can lead to land pollution 	(2 marks) (3 marks) (2 marks) (3 marks) (3 marks) (3 marks) (4 marks) (4 marks) (2 marks)
2a) State secondary effects of pollution2b) What are the problems of soil pollution?2c) Describe the incidence of pollution on plants and animals2d) Describe how plastics can be recycled2e) Explain how pulp is formed	(2 marks) (3 marks) (4 marks) (2 marks) (4 marks)
 3a) Explain the term environmental pollution 3b) State the effects of water pollution 3c) What are the implications of noise pollution? 3d) State briefly classification of pollutants 3e) Define the term recycling 	(2 marks) (3 marks) (4 marks) (2 marks) (4 marks)
4a) State the types of water pollutants4b) Classify water pollution4c) Discuss briefly Agriculture water pollution4d) What is sediment?4e) Explain briefly thermal pollution	(2 marks) (3 marks) (4 marks) (2 marks) (4 marks)
5a) Define the term soil pollution5b) What are the causes of land pollution?5c) How can land pollution be prevented?5d) Enumerate sources of hazardous wastes5e) Define the term deforestation	(2marks) (3marks) (4 marks) (2 marks) (4 marks)