



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SEPTEMBER/OCTOBER 2015 EXAMINATION

SCHOOL OF SCIENCE AND TECHNOLOGY

COURSE CODE: ESM 317

COURSE TITLE: LAND AND WATER POLLUTION

DURATION: 2 HRS

CREDIT UNIT: 2

INSTRUCTION: *Answer any 4 questions*

1. (a) Give three (3) definitions of pollution. 3mks
(b) Differentiate between primary and secondary effects of pollution. 4mks
(c) Write extensively on soil pollution. 9mks
(d) Apart from soil pollution, what other types of pollution exists? 1 ½ mks
2. (a) State five (5) reasons why chemical water pollution occurs. 5mks
(b) How does non-point source chemical contamination of water occur? 2 ½ mks
(c) Discuss with appropriate examples the effects of pesticide water pollution. 10mks
3. Explain in details the reasons for which waste materials are recycled. 17 ½ mks
4. (a) Itemize six large scale recyclable materials. 3mks
(b) What is involved in Newsprint recycling? 6mks
(c) Write short note on class of pollutants from the Ecosystem point of view. 8 ½ mks
5. (a) Discuss the major causes of land pollution. 12 ½ mks
(b) List five adverse effects of land pollution. 5 mks
6. What are the adverse effects of Deforestation? Expantiate. 17 ½ mks