

**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja**

**FACULTY OF SCIENCES**

**JULY EXAMINATION 2017**

**COURSE CODE:** ESM 317 **CREDIT UNIT:** 2

**COURSE TITLE:** LAND AND WATER POLLUTION

**INSTRUCTION: *Answer Question 1 and any other 3 questions* DURATION:** 2:30mins

1. (a) What factors are responsible for high rate of deforestation in Nigeria? 5 marks

(b) Explain what is meant by ‘Pollution’ with examples. 5 marks

(c) Can a water source be thermally polluted? Explain. 5 marks

(d) What is soil pollution? 3marks

(e) Land pollution has become a menace in developing countries. How can this

 prevented or controlled? 4 marks

(f) list any three types of pollution 3 marks

2a. In simple and clear terms, justify the essence of Recycling. 10marks

2b. Explain with examples the term recycling 10marks

3(a) Do you think it is important to treat wastewater discharged from homes and commercial establishments? Why? 4 marks

(b) Briefly discuss the stages of treating wastewater discharge. 7 marks

(c) What options are there for controlling industrial wastewater? 4marks

1. (a) Explain the term “recycling” and how can recycling be done? 6 marks

(b) Write on the manufacture of steel using recycled material. 9 marks

5a What are pollutants 5marks

5b.How are pollutants classified? Expatiate. 10marks