



**NATIONAL OPEN UNIVERSITY OF NIGERIA  
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS  
SCHOOL OF SCIENCE AND TECHNOLOGY  
MAY/JUNE 2012 EXAMINATION**

ESM 322: WATER AND WASTE WATER MANAGEMENT

Duration: 2½ hrs

Instruction: Answer 4 questions out of 6

1. Identify and discuss 5 main pollutants of freshwater (25 marks)
2. Briefly describe any two of these parameters in relation to a water body: alkalinity, turbidity and temperature. (25 marks)
3. Organic matter is important in the cycling of nutrients in aquatic systems. Discuss. (25 marks)
4. List the various types of waste waters and briefly describe any 2 of them. (25 marks)
5. Explain why recycling and reuse of waste water can be supplementary to existing water sources. (25 marks)
6. List and describe the main techniques for treating waste water. (25 marks)