



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

COURSE CODE: CHM 314

COURSE TITLE: Environmental Chemistry

TIME ALLOWED: 2 hours

INSTRUCTION: Answer 4 questions only

1. The standard method of sewage treatment comprises four stages of treatment describe the processes involved in each of these stages. (17½marks)
2. Discuss the physical parameters that are relevant to the chemistry and analysis of water and how they are measured. (17½marks)
3. (a) Explain the term chromatography
(b) Discuss the various classes of chromatography giving examples. (17½marks)
4. Write briefly on the following processes of the Nitrogen Cycle
 - a. Ammonification
 - b. Nitrification
 - c. Assimilation
 - d. Denitrification (17½marks)
5. The water cycle transfers sun's heat energy to various places, moves contamination or pollution round the planet and is connected to every living thing". Expatiate. (17½marks)
6. Discuss the following aquatic pollutants
 - a. Eutrophication
 - b. Thermal Pollution
 - c. Crude Oil
 - d. Sewage (17½marks)

