



NATIONAL OPEN UNIVERSITY OF NIGERIA

University Village, Plot 91 Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi - Abuja.

FACULTY OF SCIENCES

ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT

JANUARY/FEBRUARY 2018 EXAMINATIONS

COURSE CODE: ESM 322

TIME ALLOWED: 2HRS

COURSE TITLE: WATER AND WASTE WATER MANAGEMENT CREDIT UNIT: 2

Instruction: Attempt question number one (1) and any other three (3).

- 1. Identify and discuss five the attributes of water bodies (25 marks)**
- 2. (a) List five reasons that justify waste water management. (5marks)**
(b) Highlight five fresh water pollutants and their sources. (10marks)
- 3. Discuss the efficient options in the secondary treatment of wastewater. (15marks)**
- 4. What is primary treatment with respect to on-site sewage disposal system? (15marks)**
- 5. What are the symptoms and the vehicle of transmission of water borne diseases?. (15marks)**