



**NATIONAL OPEN UNIVERSITY OF NIGERIA  
FACULTY OF HEALTH SCIENCES**

**DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE**

**COURSE CODE: EHS 409**

**COURSE TITLE: SEWAGE AND WASTE WATER TREATMENT**

**COURSE UNITS: 2**

**TIME ALLOWED: 2 HOURS**

**TOTAL SCORE: 70 MARKS**

**INSTRUCTION: Answer ALL questions**

- 1a) Enumerate the impacts of waste-water on the environment (10marks)
- (b) Explain the purposes or objective of waste-water treatment (10marks)
- (2a) Write short notes on the following terms:
- (i) Secondary treatment (5marks)
  - (ii) Chlorination (5marks)
  - (iii) Sludge treatment (5marks)
  - (iv) Preliminary treatment of waste-water (5marks)
- (3a) Explain the disposal regulations of waste-water.(15marks)
- (b) Explain the impacts of treated waste-water on the disposal site.(15marks)