



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI - ABUJA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE
2025_2 EXAMINATIONS

COURSE CODE: EHS503

COURSE TITLE: WATER/AIR QUALITY MANAGEMENT

COURSE UNITS: 2 CREDIT UNITS

TIME ALLOWED: 1 ½ HOURS

TOTAL SCORE: 70 MARKS

INSTRUCTION: ANSWER ALL QUESTIONS

1(a) Define the following Terms

- 1) Community Managed Water Systems
- 2) Contaminant
- 3) Drinking Water
- 4) Drinking Water System
- 5) Drinking Water Quality Control

10 marks

(b) Highlight ten (10) water quality principles

10 marks

(c) Enumerate the four (4) categories of water uses

4 marks

2(a) Explain the term routine monitoring

9 marks

(b) Air pollutants are found in the form of solid particles, liquid droplets or gases, and many of them are created by human activity and natural processes. Discuss.

10 marks

(c) List the issues to be considered in water resource protection and development

6 marks

3(a) Define the following terms

- 1) Air pollutants
- 2) Aerosols
- 3) Ambient air
- 4) AQI
- 5) Emissions
- 6) EPA or U.S. EPA

6 marks

(b) Solid material that is removed from wastewater is called sludge, briefly explain sludge treatment.

5 marks

(c) Write short on waste water treatment processes

10 marks