



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway Jabi, Abuja
FACULTY OF HEALTH SCIENCES
2021_1 EXAMINATION ...

Course Code: EHS 503

Course Title: Water/Air Quality Management

Course Unit: 2 Credit Units

Time Allowed: 1 ½ Hours

Total Score: 70 Marks

Instruction: Answer All the Questions

Q1

- a) List the four categories of designated use of a water body (4 marks)
- b) Describe the concept of water quality (6 marks)
- c) List and describe five of the guiding principles on which water quality management is based. (10 marks)

2.

- a) list the practicable sources of water for public and domestic uses (5 marks)
- b) Discuss the important issues to be taken into consideration when planning the protection and development of water sources (10 marks)
- c) What are the sources of contamination of wells? (5 marks)
- d) Describe water quality criteria (5 marks)

3.

- a) What is the importance of wastewater treatment? (3 marks)
- b) Write short notes on the following:
 - i) The significance of preliminary treatment in wastewater management (5 marks)
 - ii) Secondary treatment processes involved in wastewater treatment (12 marks)
- c) Mention five ways by which the cake produced from sludge treatment can be re-used or disposed (5 marks)