



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF HEALTH, APPLIED SCIENCES AND NATURAL RESOURCE SCIENCES

DEPARTMENT OF HEALTH SCIENCES

QUALIFICATION: BACHELOR OF ENVIRONMENTAL HEALTH SCIENCES	
QUALIFICATION CODE: 08BOHS	LEVEL: 7
COURSE CODE: EPS 711S	COURSE NAME: ENVIRONMENTAL POLLUTION AND SAFETY
SESSION: JULY 2022	PAPER: THEORY
DURATION: 3 HOURS	MARKS: 100

SUPPLEMENTARY/2ND OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S)	PROF O AWOFOLU
MODERATOR:	MS HAUFIKU MOUYELELE

INSTRUCTIONS
<ol style="list-style-type: none">1. Answer ALL the questions.2. Write clearly and neatly.3. Number the answers clearly.

PERMISSIBLE MATERIALS

1. NONE

THIS QUESTION PAPER CONSISTS OF 2 PAGES (Including this front page)

SECTION A [27 Marks]

QUESTION 1 [27 Marks]

- 1.1 Distinguish between adsorption and absorption giving example in each case. (4)
- 1.2 (i). Explain the term ‘Environmental Quality Monitoring’ (2)
(ii). State the importance of air pollution monitoring. (3)
- 1.3 (i). Simplify the concept of “pollution” (2)
(ii). Describe any three (3) forms of pollution. (6)
- 1.4 Categorise and explain the methods that can be used in the control of water pollution. (10)

SECTION B [30 Marks]

QUESTION 2 [30 Marks]

- 2.1 Explain the term “sampling” and state its importance in environmental quality Monitoring. (4)
- 2.2 Differentiate between the terms scientific research and compliance monitoring. (4)
- 2.3 Establish the soil characteristic that may influence stabilisation process in the waste control process. (5)
- 2.4 Discuss the importance of water quality monitoring in the water safety programme (5)
- 2.5 Using illustrations, describe the methods you would use to control particulates from gaseous emission. (12)

SECTION C [43 Marks]

QUESTION 3 [43 Marks]

- 3.1 Differential between Environmental Audit (EA) and Environmental Impact Assessment (EIA). (4)
- 3.2 Briefly clarify the processes by which gaseous emission can be controlled. (12)
- 3.3 Using schematic diagram, illustrate and sequentially explain, the elements/ requirements of an Environmental Management System (EMS). (12)
- 3.4 Classify and explain the parameters you will test for in a river water sample from a community. (15)

TOTAL: 100 MARKS

GOOD LUCK!!!