



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF ENGINEERING AND SPATIAL SCIENCES

DEPARTMENT OF MINING AND PROCESS ENGINEERING

QUALIFICATION: BACHELOR OF ENGINEERING IN METALLURGY	
QUALIFICATION CODE: 08BMET	LEVEL: 7
COURSE CODE: MPW721S	COURSE NAME: MINE AND PROCESS WASTE MANAGEMENT 314
SESSION: NOVEMBER 2022	PAPER: THEORY
DURATION: 2 HOURS	MARKS: 48

SECOND OPPORTUNITY QUESTION PAPER	
EXAMINER(S)	Ms. Adeltraud Mughongora
MODERATOR:	Professor Harmomy Musiyarira

INSTRUCTIONS
<ol style="list-style-type: none">1. Answer all questions.2. Read all the questions carefully before answering.3. Marks for each questions are indicated at the end of each question.4. Please ensure that your writing is legible, neat and presentable.

PERMISSIBLE MATERIALS

1. Examination paper.
2. Non-programmable calculator.

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

Question 1

[15 marks]

Briefly outline and discuss the steps undertaken when conducting an environmental impact assessment

Question 2

[8 marks]

Explain the “what”, “when”, “how”, and “who” of sustainability implementation in the mining industry

Question 3

[5 marks]

Briefly explain the health risks of human exposure to mercury

Question 4

[10 marks]

Compare and contrast the construction of upstream and downstream tailings dams.

Question 5

[5 marks]

Briefly explain why baselining is an important step in impact assessments

Question 6

[5 marks]

What is the main function of a spillway in tailings dam construction?

