



**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**FACULTY OF THE BUILT ENVIRONMENT**

**DEPARTMENT OF ARCHITECTURE**

**BUILDING DESIGN ECONOMICS**

**BAR 2109**

**Examination Paper**

**DECEMBER 2024**

This examination paper consists of 3 pages

**Time Allowed: 3 hours**

**Total Marks: 100**

**Examiner's Name: Arch. S. Mambanda**

**INSTRUCTIONS**

- 1. Answer question 1 and any other three (3) questions.*

**MARK ALLOCATION**

QUESTION	MARKS
1.	25
2.	25
3.	25
4.	25
5.	25
6.	25
<b>TOTAL</b>	<b>100</b>

**QUESTION 5**

- (a) Define risk allowance in project cost modelling? (2)
- (b) How do you classify and estimate impact of risk during project cost modelling? (3)
- (c) Explain five (5) sources of risk during project implementation? (10)
- (d) Discuss (5) ways of responding to possible risks in project implementation. (10)

**QUESTION 6**

- (a) What is meant by cost control in building design? (5)
- (b) With the use of sketches and illustrations, discuss five (5) design parameters which can be used to control cost in building design. (10)
- (c) Discuss five (5) construction strategies that can also be used to control the cost of a project. (10)