



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF THE BUILT ENVIRONMENT
DEPARTMENT OF CONSTRUCTION MANAGEMENT
PROJECT PLANNING AND RESOURCES MANAGEMENT
BCM 4204

Examination Paper

February 2025

This examination paper consists of three (3) pages.

Time Allowed: 3 hours
Total Marks: 100
Special Requirements: None
Examiner's Name: Mr. T Njere

INSTRUCTIONS

1. Answer any **Four (4)** questions

MARK ALLOCATION

QUESTION	MARKS
1.	25
2.	25
3.	25
4.	25
5.	25
TOTAL	100

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Question One

With **two (2)** practical scenarios, explain the applicability of the following terms as they are used in planning of a typical construction project:

- | | | |
|----|----------------|-----------|
| a) | Labour. | [5 marks] |
| b) | Material. | [5 marks] |
| c) | Procurement. | [5marks] |
| d) | Risk planning. | [5marks] |
| e) | Scheduling. | [5marks] |

[25 marks]

Question Two

Discuss the assertion that lack of formal project planning and management hinders the successful delivery of any construction project.

[25 marks]

Question Three

Synthesise the project lifecycle clearly bringing out the deliverables in each stage.

[25 marks]

Question Four

Critically assess the change order process that has to be adhered to by construction managers when changes occur. Give **five (5)** case studies.

[25 marks]

Question Five

"Mismanagement of time and financial resources render projects unsuccessful". Discuss possible reasons that cause time and cost overruns in projects. Give **five (5)** examples from a construction project set up to demonstrate your clear understanding.

[25 marks]

END OF EXAMINATION