NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF THE BUILT ENVIRONMENT

DEPARTMENT OF LANDSCAPE ARCHICTECTURE AND URBAN DESIGN MASTERS IN URBAN DESIGN 2011-2012 ACADEMIC YEAR

PART 1- FIRST SEMESTER EXAMINATIONS MARCH 2012 BQS 5102 ADVANCED CONSTRUCTION PLANNING AND MANAGEMENT

Time: 3 Hours

Instructions to candidates

- a) Answer any 4 questions
- b) Each question carries 25 marks.
- c) Where information is insufficient, candidates are allowed to make reasonable assumptions.

Question 1

Describe how you will add value to the project process, paying particular attention to the Initiation and Concept phase of a construction project cycle.

[25]

Question 2

Describe one method that is used to select an optimum solution given various project options.

[25]

Question 3

Explain using example the importance of the following as they are used in project management.

a)	Critical path	[6]
b)	Cost-Benefit analysis	[6]
c)	Work Breakdown Structure	[6]
d)	Project lifecycle	[7]

[25]

Question 4

Your boss has asked you to draft a Client -Project Manager agreement. What important aspects should be covered in the agreement. [25]

Question 5

Midway during the construction of government flats in Harare, the Project Manager realizes that he is likely to end up with cost and time overruns. What mitigatory measures should he/she put in place to minimize the cost and time overruns. [25]

Discuss the Scope M its value during the p	Ianagement Process for a typoroject process.	pical construction project	t and demonstrate [25]
Question 7			
from German is not i	ed that cost control during the necessary since the budget is, convince the client that conquipment.	s in United States Dollar	s (USD). Using