

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**FACULTY OF BUILT ENVIRONMENT**  
**DEPARTMENT OF QUANTITY SURVEYING**  
**PART II SECOND SEMESTER EXAMINATIONS – JUNE 2011**  
**BUILDING DESIGN ECONOMICS - AQS2210**

Time: 3 hours

Total Marks: 100

**INSTRUCTIONS:**

Answer any four questions, all questions carry equal marks.

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**Question One**

Explain the concept of cost planning showing its relevance to clients of the building industry

(25 marks)

**Question Two**

- a) What is meant by building design economics (10 marks)
- b) A good building should satisfy the client. Explain the concept of client's requirements when dealing with building projects (15 marks)

**Question Three**

Taking a closer look at completed and uncompleted buildings at the National University of Science and Technology campus discuss any five design related factors that could have a bearing on the cost of these buildings and their effects. (25 marks)

**Question Four**

Discuss any **one** method of mass production of buildings commonly used in the construction industry. (25 marks)

**Question Five**

- a) Explain the constituents of total building cost (10 marks)
- b) How do quantity surveyors control costs of building projects (15 marks)

**Question Six**

- a) Explain what is meant by development budgets (10 marks)
- b) Explain the sources of finance for private and public development (15 marks)