

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF THE BUILT ENVIRONMENT
DEPARTMENT OF QUANTITY SURVEYING
PART II SECOND SEMESTER EXAMINATIONS –MAY 2013
BUILDING DESIGN ECONOMICS – AQS2210

Time: 3 hours

Total Marks: 100

INSTRUCTIONS:

Answer any four questions. All questions carry equal marks.

QUESTION ONE

- a) Briefly explain the following terms
- i. Value for money
 - ii. Loophole designing
 - iii. Whole life cycle costing
 - iv. Costs-in-use
 - v. Client's needs **(10 marks)**
- b) Describe the relationship between whole-life cycle costing and costs-in-use **(15 marks)**

QUESTION TWO

Briefly discuss how the discipline of building design economics evolved. The discussion should bring out the importance of design economics to construction development. **(25marks)**

QUESTION THREE

With the aid of illustrations, outline any **five** factors that have an impact on cost of buildings. **(25 marks)**

QUESTION FOUR

- a) Explain cost targets for social development and discuss problems faced in costing of social development projects. **(10 marks)**
- b) How can one overcome problems outlined in (a) above **(5 marks)**

c) Clients have different time requirements on building projects. Explain this statement with the aid of various related examples. **(10 marks)**

QUESTION FIVE

Describe the two processes of cost planning and the extent to which they achieve their objectives. **(25 marks)**

END OF EXAMINATION