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**Tertiary & Vocational Education Commission**  
**Diploma in Quantity Surveying (NVQ Level V)**  
**Semester End Examination – 2018 (Semester 1)**  
**Quantity Surveying Practice 1**

Duration – 3 Hours

Candidates are required to **answer any 05 questions.**

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**Question No 01**

1. Briefly explain how the proper cost control affect the successful completion of a construction project (06 Marks)
2. How would you contribute to the cost control of a construction project as a Quantity Surveyor? (06 Marks)
3. Explain how you can use 'S Curve' for cost control of a construction project. (08Marks)

**Question No 02**

1. Briefly explain the effects of height of Buildings on Cost (05 Marks)
2. A housing complex with 20 houses in a 4 storey building, located in an urban area is planned by a construction project in order to elevate the life conditions of the low income families in the area. A house is comprised of 2 bed rooms, a living room, a kitchen& a bathroom. Give a suitable proposal for constructing such a low- cost housing complex. Explain your proposal for the construction using sketches. (15 Marks)

**Question No 03**

1. Briefly explain the need for developing a preliminary estimate for a construction project. (06 Marks)
2. Explain with examples, 04 types of information required for preparation of a preliminary estimate (05 Marks)
3. Explain 03 methods of preparing preliminary estimates (09 Marks)

**Question No 04**

1. What are the uses of life cycle costing in different functions relating to the construction industry (07 Marks)
2. What are the factors which affect initial cost in a construction project (07 Marks)
3. Explain the following costs related to total building cost
  - a. Capital or initial cost
  - b. Operational or running cost
  - c. Administrative cost

(06 Marks)

### **Question No 05**

1. Explain the expected benefits of conducting a technical audit (04 Marks)
2. What are the activities performed during the technical audit (04 Marks)
3. Technical audits of works contracts shall, as far as practicable, cover various stages of a contract. State those stages (05 Marks)
4. Explain the purpose of following meetings conducted during the technical audit
  - a. Opening meeting
  - b. Closing meeting (04 Marks)
5. Briefly explain the importance of follow up actions in related to a construction site. (03 Marks)

### **Question No 06**

Write short notes on any 05 of the following

(4 x 5 = 20 marks)

1. Cost – benefit analysis
2. Structure of the construction industry in Sri Lanka
3. Role of Quantity Surveyor in a construction project
4. Value techniques
5. Project management
6. Dispute Resolution
7. Building Information Modelling