



<b>Diploma in Quantity Surveying</b>		
<b>NVQ Level 05 –Semester I</b>		
<b>Quantity Surveying Practice - I</b>	<b>F45C002M04</b>	<b>Three Hours</b>
<b>Answer any five questions</b>		

1. i) Under some circumstances, the government calls for Tenders from a list of prequalified contractors. What are the advantages and disadvantages of this practice? (05 marks)
- ii) Briefly describe about the net unit rate & gross unit rate (03 marks)
- iii) What are the documents you may require to prepare a Unit rate? (02 marks)
- iv) Explain the role of Construction Industry Development Authority (CIDA) in construction Industry (05 marks)
- v) Briefly explain the National registration scheme for the construction contractors. (05 marks)
  
2. i) Three inter related processes such as "Pricing, Costing and Valuing" are a part of understanding of a Quantity Surveyor; Suppose there is a building project that consists of luxury apartments and a large shopping mall and you are appointed as a Consultant's Quantity Surveyor for the project.
  - a) Define the three phrases such as Pricing, Costing and Valuing (05 marks)
  - b) Explain about these three phrases to your client, in relation to the above given project; (05 marks)
- ii) A Tender notice for a Road construction has to be prepared to publish in newspapers. The Engineer's estimate is Rs. 800 million. Explain the information that should be included in the tender Notice. (05 marks)
- iii) Differentiate "Tender" and "Contract" (05 marks)
  
3. i) The authorities have leased out a small island off the Northwestern coast and the developers are planning to construct a holiday resort in it.
  - a) There are different types of traditional contracts in practice. If you are the Consultant's Quantity surveyor, suggest two (02) types of contracts to call for tenders for this project. Give your explanation for selecting the two (02). You may use any assumptions. (07 marks)

ii) Suppose the tenders were called and you are the Quantity Surveyor for one of the interested Contractors to submit a bid for this tender. After visiting the site and studying all documents, you are required to submit a report in this regard and the company can decide whether to participate for tender or not.

a) What are the key information and data that should be included in the report? (04 marks)

b) What are the overheads that are needed to be considered in this tender? (03 marks)

c) Briefly explain about the "Preliminaries" in a contract. (06 marks)

4. (i) State five functions of modern quantity surveying and briefly explain those function. (05 marks)

(ii) What are the functions of quantity surveyor in pre contract cost control. (05 marks)

(iii) Name seven methods of preliminary estimations. (05 marks)

(iv) Why cost planning is important (four (4) answers are sufficient) (05 marks)

5. You are a Quantity surveyor attached to a monitoring & evaluation unit of the ABC construction company. You have to do planning, monitoring & evaluation work in the unit. There are five (5) ongoing projects in hand. Gantt chart and Critical Path Method are used in this regard.

i) Name four (4) benefits of using Gantt chart (04 marks)

ii) Briefly explain about project (03 marks)

iii) Briefly explain the roles and responsibilities of the followings in a building construction project

a. Client (02 marks)

b. Consultant (02 marks)

c. Contractor (02 marks)

(iv) The document, "Condition of Contract" is an essential part of the tender document.

Explain the importance of having it in construction contract. (04 marks)

v) Briefly explain about the project management (03 marks)

6. Briefly explain about the followings;

i) Building information modeling (04 marks)

ii) Lifecycle of a building project. (04 marks)

iii) Cost planning (04 marks)

iv) Value Management (04 marks)

v) Principals of sustainable construction (04 marks)