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<b>Diploma in Quantity Surveying</b>
<b>NVQ Level 05 – Semester I</b>

**Quantity Surveying Practice I**

**F45C002M05**

**Three Hours**

**Answer any 05 questions**

1. i) "Instructions to Bidders" is a part of contract documentation.
  - a) Describe the purpose of it. (03 marks)
  - b) List out eight (08) items that should be included in Instruction to Bidders. (04 marks)
  - c) Select five (05) of these items and explain the consequences if they are not clearly set / not indicated in the Instructions to Bidders. (05 marks)
- ii) Write down the functions of a Consultant's Quantity Surveyor at the Pre – Contract stage and briefly explain two (02) of them? (08 marks)
  
2. i) Pricing, costing and valuing are three (03) inter-related processes that should be carefully studied and applied in construction projects by Quantity Surveyors.
  - a) Define them. Explain in detail, how, when and where you apply these activities in quantity surveying practice. (10 marks)
  - b) Differentiate the importance of them in respect to Client and Contractor. (04 marks)
- ii) Describe the "Provisional Sum" and "Prime Cost" in quantity surveying practice. (06 marks)
  
3. Tenders were called for construction of a Light house in a small island off the Eastern coast. The island is free from human habitation. Your company based in Colombo wishes to bid and you are appointed to assist the Chief Quantity Surveyor in the preparation of Bid documents. You have been also asked to visit the site.
  - i) List out data, information and other relevant facts that you would collect by site visits and that can contribute in pricing the Tender and write down the importance of any two of them (06 marks)



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COMMON WRITTEN EXAMINATION - 2020/ 2021



- ii) What is meant by 'Overheads'? Explain two (02) categories of Overheads and list down the items that should be indicated under each of these Overheads for this Tender. (05 marks)
- iii) Are there any other special considerations for this tender? If so, briefly explain your answer. (03 marks)
- iv) The Chief Quantity Surveyor was asked to prepare a detail report to the management on this Tender. The Report will help them to decide on the participation in bidding. What are the information that should contain in that report? What are the advantages of this kind of report? (06 marks)
4. After the approval is granted by the management to call for Tenders, the QS division will prepare the Tender documents. Describe in detail, the steps and whole process from the preparation of tenders up to the awarding of contract. Highlight the followings in your answer;
- i) Purpose (05 marks)
- ii) Administrative and legal aspects (07 marks)
- iii) Documentation (08 marks)
5. i) What is a "Lump sum" contract? Explain it with field examples. (04 marks)
- ii) Quantity Surveyors hold the responsibility of cost management of projects. Discuss how the Building Information Modeling (BIM) can help in this approach. (05 marks)
- iii) A residential apartment complex for middle income families is proposed for construction. The Engineer's estimate is Rs 100 million. List out the data required to be included in the Tender Notice for a paper advertisement. (04 marks)
- iv) Explain common mistakes, errors, short comings that are observed in tenders during the Tender evaluation process. Select three (03) of them and describe actions that the evaluation committee/ QS should take in consideration of the tender. (07 marks)
6. Write short notes on the following giving examples where it is necessary:
- i) Dispute resolution clause
- ii) Variation
- iii) Subcontracting
- iv) Advance payment
- v) Query sheet

(5 x 04= 20 marks)