

Quantity Surveyor Technical Questions

1. What are the main responsibilities of a Quantity Surveyor?

 **Answer:**

A Quantity Surveyor (QS) manages costs and contracts in construction projects.

Responsibilities include:

- **Preparing Bills of Quantities (BOQ)**
- **Cost estimation and budgeting**
- **Contract administration**
- **Managing procurement and tendering**
- **Ensuring cost control and project profitability**

2. What is the difference between a Bill of Quantities (BOQ) and an Estimate?

 **Answer:**

- **BOQ: A detailed document listing quantities, materials, and work required for a project.**
- **Estimate: A projected cost for the project based on BOQ, specifications, and market rates.**

3. Explain the importance of cost control in construction projects.

 **Answer:**

Cost control ensures a project remains within budget by:

- **Monitoring expenses**
- **Preventing cost overruns**
- **Managing variations**
- **Improving project profitability**

4. What methods do you use for cost estimation?

 **Answer:**

- **Preliminary Estimate (based on historical data)**
- **Detailed Estimate (using BOQ)**
- **Parametric Estimation (unit rates per area or volume)**
- **Approximate Quantities Method**

5. What are the key components of a contract document?

 **Answer:**

- 1. Contract Agreement**
- 2. Scope of Work**
- 3. BOQ & Specifications**
- 4. Payment Terms**
- 5. Terms & Conditions**
- 6. Dispute Resolution**

6. Explain the different types of construction contracts.

 **Answer:**

- **Lump Sum Contract – Fixed price for the entire project.**
- **Cost Plus Contract – Cost of work + profit margin.**
- **Unit Price Contract – Payment based on unit rates.**
- **Design & Build Contract – Single entity responsible for design and construction.**

7. How do you handle variations in a construction project?

 **Answer:**

- 1. Identify the change in scope.**
- 2. Assess cost & time impact.**
- 3. Get client/contractor approval.**
- 4. Document the variation formally.**

8. What software tools are you familiar with for quantity surveying?

 **Answer:**

- **CostX, AutoCAD, Primavera, MS Excel, Revit, SAP, Candy**

9. What steps do you take to prepare an accurate cost estimate?

 **Answer:**

- 1. Review project drawings & specs.**
- 2. Identify materials & labor requirements.**
- 3. Analyze market rates.**
- 4. Include contingencies.**

10. How do you conduct a feasibility study for a project?

 **Answer:**

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- **Analyze project cost vs. benefits**
- **Assess technical and financial viability**
- **Evaluate risks**
- **Recommend go/no-go decision**

