

Diploma in Civil Engineering

Term-End Examination

December, 2011

01359

BCE-051 : CONSTRUCTION MANAGEMENT

Time : 2 hours

Maximum Marks : 70

Note : Attempt *any Five* questions.

All questions carry equal marks.

1. Explain the following contract clauses spelling out their purpose and use. **4x3½=14**
 - (a) Liquidated Damages
 - (b) Maintenance Period
 - (c) Earnest money
 - (d) Arbitration

2. Why is prequalification necessary ? What are its advantages and dis-advantages ? Explain the prequalification procedure through an example questionnaire. **2+6+6**

3. (a) What are the steps involved in forecasting each item of resource ? How this forecasting is useful in resource scheduling ? **8**
(b) Describe how project progress can be shown in a bar chart. **6**

4. Write a programme of construction of a small room in terms of ten activities. Estimate time durations for these activities and show them in a network. 14
 5. What should be the quality of water used for making and curing concrete ? What are different ways of arranging water for construction at a remote site ? 14
 6. (a) Briefly explain any two Site Selection Factors. 8+6
(b) What precautions may be taken at a construction site to reduce accidents ?
 7. Explain how the progress of a construction project may be assessed. 14
 8. Explain any four unique features of Construction Industry which make it different from other types of industry. 14
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