

00277

Diploma in Civil Engineering

Term - End Examination

June, 2011

BCE-051 : CONSTRUCTION MANAGEMENT

Time : 2 hours

Maximum Marks : 70

Note : Answer any Five questions. All questions carry equal marks.

1. Describe a typical Management Structure in a Construction Organisation. Give a neat and labelled diagram to explain. 14

2. (a) Briefly explain various Project Phases in a construction project. 8
(b) Explain the Fast Track Development Approach with its merits and demerits. 6

3. Explain precautions and steps to be taken in preservation and storage of the following. 4x3½=14
 - (a) Cement
 - (b) Bitumen
 - (c) Structural Steel
 - (d) Plywood Boards and Timber

4. (a) Define illumination and its measuring unit. 8
▪ Explain any two types of lamps with their suitability of use.
- (b) What do you understand by cost control in construction projects? Write various factors affecting it, in brief. 6
5. What do you understand by a work breakdown structure? Give a work breakdown structure of a Primary health centre with minor Operation Theatre facility. 14
6. Define and explain the following with reference to CPM. $4 \times 3\frac{1}{2} = 14$
- (a) Earliest start time
- (b) Latest start time
- (c) Float
- (d) Critical Activity
7. Explain "Line of Balance" technique with a neat sketch. Briefly discuss various steps involved. 14
- 8 Explain the following types of Contracts. $4 \times 3\frac{1}{2} = 14$
- (a) Cost Plus sliding a Scales of Fees Contract
- (b) Unit Price Contract
- (c) Lump Sum Contract
- (d) Labour Contract
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