

**DIPLOMA IN CIVIL ENGINEERING
(DCLEVI) / ADVANCED LEVEL
CERTIFICATE IN CIVIL ENGINEERING
(ACCLEVI)**

**Term-End Examination
December, 2011**

BICE-023 : CONSTRUCTION MANAGEMENT

Time : 2 hours

Maximum Marks : 70

Note : Attempt any five questions. Question no. 1 is compulsory. All questions carry equal Marks.

Mention True/False for the statement given below. $7 \times 2 = 14$

1. (a) Slack time in PERT analysis is maximum for critical events.
- (b) A Bar chart is able to depict interdependencies of activities clearly.
- (c) An event is either start or completion of an activity.
- (d) Pessimistic time (t_p) is the maximum time required to complete an activity under worst conditions.
- (e) An event is a Fool that a contractor uses to manage time.
- (f) The time by which a particular activity can be delayed without affecting the preceeding and succeeding activities is known as Independent Float.
- (g) Dummy activity does not consume time.

2. (a) State the need for inspection and quality control in construction work. 7
- (b) What are the various stages of inspection and quality control of RCC ? 7
3. (a) What do you understand by "Project management"? Also mention objectives of Project Management. 7
- (b) Describe the Features and Limitations of "Bar chart" in detail. 7
4. (a) Discuss quality control for sanitary and water supply services. 7
- (b) What do you understand by - 7
 - (i) Ultimate Responsibility
 - (ii) Unity of command
5. (a) Write short notes on - $3\frac{1}{2} \times 2 = 7$
 - (i) Staffing
 - (ii) Cost optimization.
- (b) Explain How do you construct various construction schedules. 7
6. (a) Show how construction schedules facilitates the work of constructional planning. 7
- (b) Write short Notes on - $3\frac{1}{2} \times 2 = 7$
 - (i) Analysis of CPM networks.
 - (ii) Delegation of authority.

7. (a) What are the advantages of CPM and PERT network ? 7
- (b) What are the main objectives of construction management ? Elaborate properly. 7
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