DIPLOMA IN CIVIL ENGINEERING (DCLEVI)

Term-End Examination

June, 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.***

1. Mention **True/False** for the statements given below.   **7x2 = 14**

    (a) A bar chart is unable to depict interdependencies of activities cleary.

    (b) The critical path in a network plan of a project helps in planning efficient time schedule.

    (c) A critical path has infinite slack.

    (d) An owner allocates the estimated cost of the engineer.

    (e) Expected time (t_E) is the maximum time required to complete an activity under the worst condition.

(f) An engineer allocates the estimated cost to the owner.

(g) Slack time in PERT analysis is minimum for critical events.

2. (a) What is the importance of a job layout ? 7

(b) Sketch a typical job layout for RCC framed building construction. 7

3. (a) Describe the role of construction planning in the management of construction industries. 7

(b) What are the various resources required for construction work ? 7

4. (a) What are the advantages of CPM and PERT network ? 7

(b) Define : 7
(i) Critical path
(ii) Floats

5. (a) Discuss the Inspection and Quality control of Electrical Services with Statistical Analysis. 7

(b) What are the various stages in construction from conception to completion ? 7

6. (a) What do you understand by Constructional   7
       Resources ? List Various Resources.

   (b) What do you understand by organisation ?   7
       List the various functions of organisation.

7. (a) What are the main objectives of construction   7
       management ?

   (b) What are the functions of organisation   7
       planning ?

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