

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

Term-End Examination

00753

December, 2017

BICE-023 : CONSTRUCTION MANAGEMENT

Time : 2 hours

Maximum Marks : 70

Note : Answer any five questions. Question no. 1 is compulsory. All questions carry equal marks.

1. Mention *True* or *False* for the statements given below : *7×2=14*
- (a) Dummy activity consumes time and resources.
 - (b) Security deposit for a project is refunded before the completion of the project.
 - (c) CPM is used in the projects for which time estimates can be determined with certainty.
 - (d) Cost of materials comes under direct cost.
 - (e) Critical path is the shortest path with maximum float.
 - (f) In line organisation authority flows from top to bottom.
 - (g) Sampling is done when a product is in very large quantity.

2. What is Construction Management ? Explain its role and significance with suitable example. 14
3. What are the various types of construction projects ? Explain with the help of suitable examples. 14
4. Differentiate between PERT and CPM. What is critical path ? Write the steps to find critical path. 14
5. What are the general principles of an organisation system ? Briefly explain them. 14
6. What is Quality Control ? Explain the measures for quality control of RCC and excavation work. 14
7. Explain various types of indirect costs which play an important role in the overall cost of the project. 14
8. Briefly explain the following : $4 \times 3 \frac{1}{2} = 14$
- (a) Delegation of Authority
 - (b) Principle of Storing and Stacking of Materials at Site
 - (c) Different Types of Floats
 - (d) Project Scheduling
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