

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

Term-End Examination

June, 2016

00047

BICE-023 : CONSTRUCTION MANAGEMENT

Time : 2 hours

Maximum Marks : 70

Note : Answer any five questions. Question no. 1 is compulsory.

1. Mention *True/False* for the statements given below :

7×2=14

- (a) Construction projects are gradually becoming multidisciplinary with multiple objectives.
- (b) Project manager has least authority in pure project organization.
- (c) When time is the essence of contract, the completion time can be extended.
- (d) 'Float' on the activity indicates the duration by which total estimated duration of an activity can be reduced while crashing.

- (e) An activity with the highest cost slope is to be considered first for crashing.
 - (f) Earnest money deposit is a type of security deposit by the contractor.
 - (g) Direct costs are costs of all the project overheads.
2. Define 'project' and 'project management'. What are the different stages in a typical construction project ? 14
 3. What is planning and why is planning very important in construction management ? 14
 4. Define Scheduling. What are the uses and advantages of scheduling ? List out the classification of scheduling. 14
 5. What is a network ? Explain the different types of network scheduling with examples. 14
 6. What is a critical path and how is it identified ? Differentiate between CPM and PERT. 14
 7. Discuss the importance of quality in construction projects. Explain the basic elements of quality with a flow diagram. 14
 8. Write short notes on the following :
 - (a) Types of organization 7
 - (b) Storing and stacking of materials on site 7