

**DIPLOMA IN CIVIL ENGINEERING  
DCLE(G)**

**Term-End Examination**

**December, 2012**

**BCE-051 : CONSTRUCTION MANAGEMENT**

*Time : 2 Hours*

*Maximum Marks : 70*

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*Note : Questions No.1 is compulsory. Answer any four questions out of remaining questions.*

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1. Select the most appropriate option from the given alternatives in the following multiple choice questions (a) to (g). **7x2=14**
- (a) For ensuring efficiency in construction sector, which of the following is important?
- (i) Management quality
  - (ii) Labour quality
  - (iii) Proper planning
  - (iv) all the above
- (b) After initiation of a project, which comes in a typical project life cycle?
- (i) Execution
  - (ii) Control
  - (iii) Planning
  - (iv) Closing of project

- (c) Project procurement process is connected with:
  - (i) control of activities of construction
  - (ii) acquisition of services, goods and materials
  - (iii) making researches
  - (iv) none of the above
- (d) Which of the following is/are important for site planning for a construction project?
  - (i) Site drainage
  - (ii) Site investigation
  - (iii) Providing security
  - (iv) all the above
- (e) Which of the following is/ are required for site protection in a construction project?
  - (i) Fencing of boundaries
  - (ii) Guard towers
  - (iii) Entrance and Exit control
  - (iv) all the above
- (f) CPM stands for :
  - (i) Central Path Method
  - (ii) Critical Path Management
  - (iii) Central Path Management
  - (iv) Critical Path Method

- (g) Critical documents that are issued during the bidding period to make alterations in any of the tender documents are called :
- (i) Critical documents
  - (ii) Addenda
  - (iii) Contract
  - (iv) Arbitration
2. (a) Describe any one feature of construction industry briefly. 7
- (b) What do you understand by stake holders in a construction project? Discuss briefly. 7
3. (a) What do you mean by a feasibility study for a construction project? Discuss its need briefly. 7
- (b) Discuss the importance of project control phase. 7
4. (a) Which factors are considered for site organisation in a construction project? 7
- (b) Discuss importance of site drainage briefly. 7
5. (a) Describe some precautions to be taken while storing cement at a construction site. 7
- (b) Discuss how a bar chart schedule helps in project planning. 7

6. (a) Describe a work breakdown structure briefly. 7
- (b) What is PERT ? How is it different from CPM ? 7
7. (a) Describe essential elements of a contract. 7
- (b) What do you understand by subcontracts ? 7  
Discuss briefly.
8. Write short notes on **any two** of the following : **2x7=14**
- (a) Water for curing purposes.
- (b) Disputes in construction.
- (c) Events and activities in a construction project.
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