

**Diploma in Civil Engineering**

**Term-End Examination**

**June, 2012**

**BCE-051 : CONSTRUCTION MANAGEMENT**

*Time : 2 Hours*

*Maximum Marks : 70*

*Note : Question number 1 is compulsory. Answer any four questions out of the remaining questions.*

1. Select the most appropriate answer from the given alternatives in the following multiple choice questions (a) to (g). 2x7=14
- (a) Stakeholders for a construction project are persons :
- (i) whose interests are involved in the project ?
  - (ii) whose interests are not involved ?
  - (iii) who are not interested in the project ?
  - (iv) who have full knowledge of project activities and are technically qualified ?
- (b) Broadly speaking, the basic activities at a construction project can be grouped into :
- (i) designing and planning
  - (ii) construction execution
  - (iii) inspection and supervision
  - (iv) all the above

- (c) Persons of which group may be considered as stakeholders in a construction project ?
  - (i) The owner group
  - (ii) The engineering group
  - (iii) The construction group
  - (iv) All the above
- (d) Which one out of the following activities in a construction project comes first ?
  - (i) Need identification
  - (ii) Feasibility study
  - (iii) Project execution
  - (iv) Project control
- (e) Which one of the following phases aims at formulation of scope and implementation strategy in a construction project ?
  - (i) Planning and designing phase
  - (ii) Execution and control phase
  - (iii) Project initiation phase
  - (iv) Closing phase
- (f) Feasibility study for a construction project may consist of :
  - (i) Market analysis
  - (ii) Technical analysis
  - (iii) Financial analysis
  - (iv) All the above

- (g) Which one of the following phases includes the tasks of Administrative closure, contract close-out and lessons learnt in a construction project ?
- (i) Project initiation phase
  - (ii) Project execution phase
  - (iii) Project control phase
  - (iv) Project close-up phase
2. (a) Briefly write about the sources of financing construction projects. 7
- (b) Describe the planning processes involved in a construction project. 7
3. (a) Discuss the site drainage process at a construction site. 7
- (b) What precautions should be taken in deciding the location of stores at a construction site ? 7
4. (a) Describe about the essential facilities required to be incorporated in a big construction project. 7
- (b) Describe the various measures to be taken for site protection in a construction project. 7
5. (a) Describe with a sketch the utility of a 'Bar Chart', for project planning . 7

- (b) Describe with an example 'Dummy Activity' for construction project planning. 7
6. (a) Describe the essential elements of "Contract" in a construction project. 7
- (b) Write names of any two ways of resolution of disputes in a construction project. Describe any one of them. 7
7. (a) What is a 'Work Break down structure' ? Discuss briefly. 7
- (b) Differentiate between an activity and an event, giving a suitable example. 7
8. Write short notes on *any two* of the following : **2x7=14**
- (a) Site investigation
- (b) CPM and PERT
- (c) Planning of resources in a construction project.
- (d) Precautions for storage of cement at a construction site.
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