

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

**Term-End Examination
December, 2013**

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. Select one correct answer from the following : $7 \times 2 = 14$
- (a) Planning is important because it is advantageous to the following :
 - (i) Contractors
 - (ii) Architect and engineers
 - (iii) Clients
 - (iv) All of them
 - (b) Lump sum contract is :
 - (i) Commonly followed by many agencies
 - (ii) Followed only by Govt. Departments
 - (iii) Followed only in Private Contracts
 - (iv) Followed only by local bodies
 - (c) The security deposit is :
 - (i) Refunded in the middle of the contract
 - (ii) Refunded after the maintenance period
 - (iii) Not refunded at all
 - (iv) Refunded as soon as the construction is over

- (d) Float calculations in A-O-N network is :
 - (i) Different from A-O-A networks
 - (ii) Same as A-O-A networks
 - (iii) Involves complicated procedure
 - (iv) Dependant on backward pass computations.
 - (e) In P.W.D, a circle is headed by :
 - (i) Super intending Engineer
 - (ii) Chief Engineer
 - (iii) Executive Engineer
 - (iv) Asst. Executive Engineer
 - (f) The record in which receipts and the payment of cash is dealt with :
 - (i) M-Book
 - (ii) C-Book
 - (iii) Works register
 - (iv) Nominal muster roll.
 - (g) PERT (Programme Evaluation and Review Technique) is mainly useful for :
 - (i) only small projects
 - (ii) only large projects
 - (iii) Research and development projects
 - (iv) Small as well as large and complex projects.
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- 2. (a) Discuss the classification of construction works. 7
 - (b) Bring out the importance of co-ordination among the members of the construction team. 7
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- 3. (a) What are the advantages and disadvantages of planning ? 7
 - (b) What are the stages and types of planning in construction management ? 7

4. (a) What are the time estimates used in PERT ? Explain their significance. 7
(b) Differentiate between CPM and PERT. 7
5. (a) Explain the importance of organisation in construction activities. 7
(b) Discuss the superiority of the line and staff organisation over the other systems. 7
6. (a) Explain optimum cost and optimum duration. 7
(b) Describe briefly Direct cost and Indirect cost. 7
7. (a) Write a brief note on organisation for quality control. 7
(b) Discuss the important points of inspection during concreting work and structural steel work. 7
8. Write short notes on **any four** of the following : 3½x4=14
(a) Normal duration
(b) Crash duration
(c) Network Analysis
(d) Mile Stone chart
(e) Principle of storing and stacking
(f) Organizing labour at site.
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