

DCLEVI, DELVI  
DIPLOMA ENGINEERING

Term-End Examination

December, 2013

BICEE-005 : CONSTRUCTION SUPERVISION AND  
BUILDING MAINTENANCE

Time : 2 hours

Maximum Marks : 70

*Note : Question no.1 is compulsory. Attempt four more questions from the remaining Q.2 to 8. Use of scientific calculator is permitted.*

- 1 Write True or False for the following : 7x2=14
- (a) The spacing of columns in a building affects the cost per sq.m. of the building.
  - (b) The approximate estimate provides more close final amount than the detailed estimate.
  - (c) A contract is an agreement enforceable by law.
  - (d) The approxiamate estimates need not be fairly accurate.
  - (e) Contract drawings prepared in the initial stage of the project help to write the specifications.
  - (f) Plastering is a remedy technique to check cracks on walls.
  - (g) Revised estimates are prepared, when a sanctioned estimate is to exceed 2% due to any cause.

2. Discuss the role of construction supervisor in respect to various phases of a construction project. 14
  3. Give an account on the importance of 'estimating for revision' of project budgets. 14
  4. Give a note on classification of Timbers and explain the structure of a tree, with a neat diagram. 14
  5. Write a brief note on : 7x2=14
    - (a) Seasoning of Timber
    - (b) Corrosion control methods for steel
  6. What is meant by under water concreting ? Discuss the problems associated with the under water concreting. 14
  7. Differentiate between Raft and Pile foundation, in regard to its application in varying conditions. 14
  8. What is meant by site register ? Mention any four register used in site management and discuss their application in Construction Management Process. 14
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