

DCLEVI, DELVI

Term-End Examination

June, 2012

**BICEE-005 : CONSTRUCTION SUPERVISION AND
BUILDING MAINTENANCE**

01905

Time : 2 hours

Maximum Marks : 70

Note : Answer any five questions and question no.1 is compulsory.

1. Select the correct answer from the given alternatives in the following multiple choice questions. **2x7=14**
- (a) The overall co-ordinating person in a construction team is
- (i) The owner
 - (ii) The architect
 - (iii) The project manager
 - (iv) The contractor
- (b) A short tender notice is given when :
- (i) The work is to be completed quickly
 - (ii) No contractor is prepared to offer acceptance to the original tender
 - (iii) The cost of the tender is very high
 - (iv) Both (i) and (ii)

- (c) Safe stock level of materials is dependent upon :
- (i) Time of usage
 - (ii) Rate of usage and probability of shortage
 - (iii) Cost of materials
 - (iv) None of these
- (d) The responsibility for safety is to be exercised by :
- (i) The designer
 - (ii) The employer
 - (iii) Workers and equipment manufactures
 - (iv) All of these
- (e) Construction industry needs expert system because :
- (i) It is mostly repetitive work
 - (ii) It involves mostly non - repetitive work
 - (iii) It is costly
 - (iv) It involves hazardous activities
- (f) The following factors affect the determination of structures :
- (i) Design deficiencies
 - (ii) Unusual stress conditions and poor quality of materials
 - (iii) Perfective construction
 - (iv) All of these

- (g) In R.C.C structures swelling will occur due to :
- (i) Excessive loading
 - (ii) Excessive stresses
 - (iii) Alkali - aggregate reaction
 - (iv) None of these
2. Discuss the role of construction supervisor in the construction project. **14**
3. Write a brief note on the following : **14**
- (a) Bill of Quantities (BOQ)
 - (b) Condition of contract
4. Explain the different phases of an estimation during the construction project. **14**
5. Discuss the relevance and importance of Muster Rolls, books and Bills as a part of construction engineering. **14**
6. Briefly describe the system of plumbing for building drainage. Explain merits and demerits. **14**
7. Distinguish between 'dry rot' and 'wet rot'. What steps are taken in executing wood work to see that these defects do not occur ? **14**
8. Write a brief note on *any four* of the following : **14**
- (a) Interpretation of Bill of Quantities
 - (b) Contract agreement
 - (c) Soil investigations
 - (d) Anti - termite treatment
 - (e) Defects in sanitary fittings
 - (f) Defects in plumbing lines
-