

B.TECH. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

01135

December, 2014

**BICE-021 : ESTIMATION AND CONSTRUCTION
MANAGEMENT**

Time : 3 hours

Maximum Marks : 70

*Note : Answer any **seven** questions. Assume missing data, if any. All questions carry equal marks.*

1. Explain the importance and use of specifications in detail. 10
2. List the difference between the centre line method and long wall – short wall method of taking out measurement. 10
3. List the factors to be considered while preparing detailed estimate and explain them in brief. 10
4. Write short notes on the following : 10
 - (a) Gantt bar charts
 - (b) Milestone charts

5. (a) Discuss the lumpsum contracts with advantages and disadvantages. 5
- (b) Define the terms : cost, price and value in reference to Construction Management. 5
6. Explain the various elements involved in a project cycle, with the help of a flow chart. 10
7. List out the important technical terms used in PERT analysis. Explain any four of them, in brief. 10
8. List out the essential elements of a valid contract. Write a note on the different forms of contracts. 10
9. Explain any two methods of estimating cost depreciation. 10
10. Discuss any *two* of the following : 10
- (a) Depreciation and Depletion
 - (b) DERT and CPM
 - (c) Valuation
 - (d) Net Present Value (NPV)
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