

00895

B.Tech IN CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

June, 2014

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

Time : 3 Hours

Maximum Marks : 70

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- Note :** (i) *Attempt any seven questions.*
(ii) *Assume missing data if any.*
(iii) *All questions carry equal marks.*
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1. Write short note about the data required to prepare a detailed estimate. Discuss the direct and indirect costs that are to be included in the complete estimate. 10

2. Write short notes on : 5+5=10
 - (a) Work charge establishment
 - (b) Resource smoothing

3. Discuss the responsibilities of the Contractor. 10

4. Explain the purpose of rate analysis and also list out the factors affecting the rate analysis. 10

5. Explain the typical clauses of the condition of Contract. 10

6. Give the rate analysis of major typical terms used in the construction activity. 10
 7. List out the various elements of tender preparation. Explain in brief the process of tendering. 10
 8. Discuss the importance of resource allocation in a construction project. Also illustrate resource allocation through network techniques with an example. 10
 9. Explain in detail the process of preparing a CPM network. And list out the rules to be adopted for CPM network development. 10
 10. What is the purpose of Valuation ? Differentiate between cost depreciation and value depreciation. 10
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