

B.Tech IN CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

June, 2013

02000

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

Time : 3 Hours

Maximum Marks : 70

Note : Attempt any seven questions. All questions carry equal marks.

1. (a) Discuss the factors which have complicated the process of estimating. 5
(b) Write the main functions of abstract of an estimate . 5
2. (a) Write important aspects in the design of a specification. 5
(b) What are the main sources of information for specifications ? 5
3. (a) Write the differences between system of Department Execution and Contract system. 5
(b) Discuss the lump - sum contracts with advantages and disadvantages. 5
4. (a) Write the responsibilities of the contractor. 5
(b) Define the open, selected and negotiated tender. 5

5. (a) Define the term cost, price and value. 5
 (b) What are the purposes of valuation ? 5
6. (a) Differentiate between : 6
 (i) Cost Depreciation and Value Depreciation
 (ii) Depreciation and Depletion
 (b) What are the causes of economic obsolescence ? 4
7. Explain in detail, the factors which affect the rate analysis of an item. 10
8. Describe the P.W.D. method of taking out quantities. 10
9. (a) Explain the advantages of Gantt Bar Chart. 5
 (b) Discuss the different rules for network diagram. 5
10. Write the short note on *any four* of the following :
 (a) Resource allocation 2.5×4=10
 (b) PERT and CPM
 (c) Importance of specifications
 (d) Different forms of value
 (e) Net Present Value (N.P.V.)
 (f) Uses of an Estimate