

B.Tech. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

June, 2016

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

Time : 3 hours

Maximum Marks : 70

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

1. Prepare a detailed specification for first class brick-work in cement mortar (1 : 6). 10
2. What are the different types of estimates ? Make a comparative study among them. 10
3. (a) Write a short note on the requirements of rate analysis. 5
(b) Give an account of the detailed procedure of rate analysis. 5

4. (a) What do you mean by valuation? 3
- (b) Conduct a rate analysis for excavation of foundation in ordinary soft soil, according to the rates prevailing in your region. 7
5. Write the advantages and disadvantages of contract system. 10
6. Discuss the process of evaluation of tenders, in detail. 10
7. Write short notes on the following :
- (a) Milestone Chart 5
- (b) PERT 5
8. What do you mean by Project cycle ? Discuss its significance in construction planning. 10
9. Mention the various resources required for construction work. Discuss in detail how resources allocation can be done effectively through network techniques. 10
10. Write short notes on the following : 2×5=10
- (a) Discounted cash flow method
- (b) Operations involved in cost planning