

B.Tech. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

December, 2016

00743

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

Time : 3 hours

Maximum Marks : 70

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

1. What are the objectives of specifications ? Also discuss various precautions in writing the specifications. 10
2. Make a note of deductions and additions to be applied in case of plastering and pointing. 10
3. Define rate analysis and make a note of various factors that affect the analysis of rates, giving suitable examples. 10
4. (a) What is work charged establishment ? 3
(b) Discuss the significance of analysis of rates of Resource planning. 7

5. What are the elements of a tender document ?
Prepare a draft of a typical tender notice inviting
tenders. 10
6. List out the different types of contracts and also
give an account of their relative advantages and
disadvantages. 10
7. Discuss various features and significance of
network techniques in construction management. 10
8. Write short notes on the following :
- (a) Bar Chart 5
 - (b) CPM 5
9. Discuss in detail the application and limitations
of depreciation and break-even cost analysis. 10
10. Write short notes on the following :
- (a) Time Value of Money 5
 - (b) Prime Cost and Provisional Sums 5
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