

B.Tech. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

June, 2018

00283

**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 different types of estimates ? Make a comparative study among them. 10

2. Discuss in detail, deductions and additions to be applied in case of plastering and pointing. 10

3. (a) What is work-charged establishment ? 3
(b) Discuss the significance of analysis of rates in resource planning. 7

4. (a) Write short notes on the requirement of rate analysis. 5
- (b) Give an account of the detailed procedure of rate analysis. 5
5. (a) Discuss the need for construction management. 4
- (b) Define the following : $3 \times 2 = 6$
- (i) Activity
- (ii) Event
- (iii) Total Float
- in construction management.
6. Discuss in detail the applications and limitations of depreciation and break-even cost analysis. 10
7. Discuss the process of evaluation of tenders, in detail. 10
8. (a) Discuss the pre-qualification procedure for selection of contractors. 6
- (b) Describe the advantages and disadvantages of pre-qualification of contractors. 4
9. (a) Discuss resource allocation in detail. 4
- (b) Explain in detail the guidelines for storage of building material. 6

10. Write short notes on the following :

$$4 \times 2 \frac{1}{2} = 10$$

- (a) Safety Stock
 - (b) Scrap Value
 - (c) Specifications for DPC
 - (d) PERT
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