

B.Tech. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

December, 2017

00802

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

Time : 3 hours

Maximum Marks : 70

*Note : Attempt any **seven** questions. All questions carry equal marks. Use of calculator is permitted.*

1. Write short notes on the following : 2×5=10
 - (a) AON and AOA Techniques
 - (b) Process of Tendering

2. Draw a break-even chart and describe each term in it. 10

3. What are the elements of tender preparation ? 10

4. What is Valuation ? Discuss in detail. 10

5. Write short notes on the following : $2 \times 5 = 10$
- (a) CPM
- (b) Bar Chart
6. Write down the general specifications of second class buildings. 10
7. A plot measures 500 sq.m. The building's area is 300 sq.m. The plinth area rate of this 1st class building is ₹ 600/sq.m. This rate includes cost of water supply, sanitary and electrical installation. The age of the building is 40 years. The cost of land is ₹ 80/sq.m. Find out the depreciated value. 10
8. Write short notes on the following : $2 \times 5 = 10$
- (a) Direct Cost and Indirect Cost
- (b) Milestone Chart
9. What is time value of money ? Also describe present economy studies in construction. 10
10. Discuss in detail, the legal aspects of contracts. 10
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