B.Tech. CIVIL ENGINEERING (BTCLEVI)
Term-End Examination
June, 2017

00574

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. What is estimation ? How is it important for Civil Engineering Projects ?　　　　　　　　10

2. What are the different types of estimates ? Explain.　　　　　　　　　　　　　　　10

3. What is rate analysis ? What are the requirements of rate analysis ?　　　　　　10

4. Discuss the data required for preparation of a highway project estimate.　　　　　　　10

5. Differentiate between CPM and PERT.　　　10

6. What are the general specifications for a first class building ? **10**

7. Discuss the process of evaluation of a tender. **10**

8. Write short notes on the following : **10**

   (a) Different types of contracts

   (b) Resource allocation through network techniques

9. Prepare a detailed specification for first class brick-work in cement mortar. **10**

10. A building is situated on Ambala-Kalka road and costs ₹ 38,000. Considering its scrap value as 10% of cost and life as 80 years, find out the depreciated value of the life if the life of the building is 20 years ? **10**