

**B.Tech. CIVIL ENGINEERING (BTCLEVI)**

**Term-End Examination**

00403

**June, 2017**

**BICE-021(S) : ESTIMATION AND CONSTRUCTION  
MANAGEMENT**

*Time : 3 hours*

*Maximum Marks : 70*

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

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1. (a) Discuss the factors which influence the process of estimating. 5  
(b) Write the functions of Abstract of an Estimate. 5
2. What are the objectives of specifications ? Also discuss various precautions in writing the specifications. 10
3. Define rate analysis. Make a note of the various factors that affect the analysis of rates, giving suitable examples. 10
4. (a) What do you mean by valuation ? Explain in brief the various purposes of valuation. 6  
(b) Define the following : 4
  - (i) Cost of Depreciation
  - (ii) Price

5. What do you mean by Project Cycle ? Discuss its significance in construction planning. 10
  6. Discuss various features and significance of network techniques in construction management. 10
  7. Mention the various resources required for construction work. Discuss in detail how resource allocation can be done effectively through network techniques. 10
  8. What is the purpose of advertisement in the tendering process ? What are the important points to be included in an advertisement ? Explain in detail. 10
  9. Write the advantages and disadvantages of contract system. 10
  10. Write short notes on the following : 2×5=10
    - (a) Time Value of Money
    - (b) Bar Chart
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