

**B.Tech. Civil (Construction Management)**

**Term-End Examination**

**June, 2013**

**ET-521(D) : QUANTITY SURVEYING AND  
VALUATION**

*Time : 3 hours*

*Maximum Marks : 70*

*Note : Attempt any five questions. All questions carry equal marks. Scientific calculator is allowed.*

1. (a) What do you understand by "Sinking Fund" ? Explain the philosophy and how these calculations are made, derive the formulae. 9
- (b) If an amount of Rs.1000/- is proposed to be deposited in the sinking fund account every year at the end and this earns an annual interest of 8%. What shall be the sinking fund at the end of 12 years ? 5
2. What do you understand by Bill of Quantities (BOQ) ? Explain any six activities/works in a building construction. 2+6x2=14
3. Write the important features of urban land (Ceiling and Regulation) Act and valuation. Explain all six in short. State the objectives of this Act. 6x2+2=14

4. Describe the broad classification of buildings for working out the plinth area rates. Explain through diagram chart. Give details of the services being provided for these building.  $5+9=14$
  
5. Define specifications and explain the mechanics of writing specifications enumerating all aspects. 14
  
6. Explain Database Approach in computerisation of Analysis of Rates. Explain with the help of neat diagram.  $4+10=14$
  
7. Write short notes on the following :  $3.5 \times 4 = 14$ 
  - (a) Market value Vs. Cost at price
  - (b) Concept of Natural Justice
  - (c) Revised Estimates
  - (d) General specifications and Particular specifications in Civil Engineering.

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