

B.Tech. Civil (Construction Management)

Term-End Examination

December, 2013

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

Time : 3 hours

Maximum Marks : 70

Note : Attempt any five questions. All questions carry equal marks.

1. Explain about computer Aided Estimating Systems(CAE). Write about various applications of CAE. 6+8=14

2. Write notes on the following : 3.5x4=14
(a) Definition of specifications
(b) The language of specifications writing
(c) Statement of scope
(d) The categories of specification requirements

3. What do you understand by Bill Of Quantities (BOQ) ? Explain any six activities/works in a building construction. 2+6x2=14

4. What are the three types of estimates in construction ? Explain steps in detail for preparation of preliminary estimates. 4+10=14

5. Calculate the cost of providing and laying 2 m^3 14
of RCC 1 : 2 : 4 (1cement : 2 coarse sand : 4 stone ballast of 20mm gauge) including reinforcements work in slabs. Assume suitable data needed and write clearly about the assumptions made by you.

- 6 (a) What are the basic principles of land acquisition Act ? Explain. 5+9=14
- (b) Explain the seven steps involved in the procedure for acquisition of land.
7. Write short notes on the following : 3.5x4=14
- (a) Book value and potential value
- (b) Concept of Natural Justice
- (c) Sinking fund
- (d) Depreciation
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