

B.TECH. CIVIL ENGINEERING

Term-End Examination

June, 2014

**BICE-010 : QUANTITY SURVEYING AND
COSTING**

00024

Time : 3 hours

Maximum Marks : 70

Note : Question No. 1 is compulsory and in the remaining, answer any six. Use of scientific calculator is permitted.

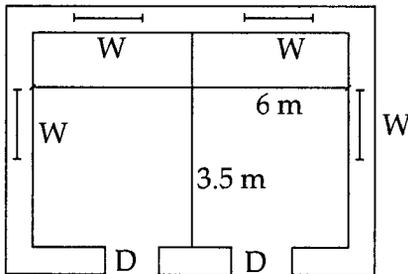
1. Write a note on **any five** of the following : **2x5=10**
 - (a) Plinth Level
 - (b) Sill Level
 - (c) Carpet area
 - (d) Sinking fund
 - (e) Depreciation
 - (f) Scrap value

2. Prepare Rate analysis for any two items (Like P.C.C. Brickwork, etc.), with the approximate material and Labour cost prevailing in your city. **10**

3. Differentiate between the Detailed and Approximate estimates. Explain their importance with respect to the purpose. **10**

4. Make an assessment of various factors affecting the cost of work. Also explain the influence of contingencies in the overall cost estimate, with some suggestions to reduce the cost on this part. **10**

5. Discuss the major purposes of the valuation process and bring out the importance of valuation in rent fixation of buildings. 10
6. Write short notes (any two) : 5x2=10
 (a) Bill of Quantities
 (b) Abstract estimate
 (c) Plinth area rate
7. Prepare a model Measurement sheet and Abstract sheet, with some major items, for the purpose of estimate of culverts. 10
8. Prepare an estimate for the brickwork component (1st class brickwork) of the given plan. 10
 $D = 1.2 \text{ m} \times 2.5 \text{ m}$
 $W = 1.0 \text{ m} \times 1.5 \text{ m}$



Assume the height of the brickwork to be 4 m and the rate per sq. m as Rs. 2800.