



Reg. No. : .....

Name : .....

**Eighth Semester B.Tech. Degree Examination, December 2016  
(2008 Scheme)**

**08.804 : QUANTITY SURVEYING AND VALUATION (C)**

Time : 3 Hours

Max. Marks : 100

**Instruction :** Answer *all* questions. Assume *any* missing data *suitably*.

**PART – A**

- I. a) What are the functions of detailed specification ?  
b) Explain the purpose of an estimate.  
c) What is conveyance statement ?  
d) What is valuation ? Explain its purpose. **(4×5=20 Marks)**

**PART – B**

- II. a) Write down the detailed specification of Roofing with M.P. tile. **5**  
b) Work out unit rate for plastering of ceiling with cement mortar 1 : 3, 9 mm thick. [For 10 m<sup>2</sup>, River Sand – 0.09 m<sup>3</sup>@Rs. 1,200/m<sup>3</sup>, Cement – 43kg@Rs. 5,000/t, Mason – 0.9@Rs. 450/E, Man – 0.55@Rs. 350/E, Woman 1.1 @Rs. 325/E.] **10**

**OR**

- III. a) Write down the detailed specification of reinforcement for R.C.C.Work. **5**  
b) Work out unit rate for brick work, in c.m 1 : 6, using wire cut brick of size 22.9×11.2×7 cm. For foundation and basement [For 1m<sup>3</sup>, brick 460 Nos @Rs. 6,000/1,000 Nos, Sand 0.210<sup>3</sup> @ Rs. 1,200/m<sup>3</sup>, cement 48 kg @Rs. 5,000/t, mason – 0.7 @ Rs. 450/E, man – 0.35 @ Rs. 350/E, Woman – 0.7 @Rs. 325/E]. **10**



IV. Estimate the quantities of the following items of a building shown in fig. I 50

- i) Earth work excavation for foundation.
- ii) R.R. masonry for foundation and basement
- iii) Brick work for super structure
- iv) R.CC for lintel and sunshade
- v) Plastering of walls

OR

V. Estimate the quantities of the following items of the building shown in fig. I

- i) P.C.C. 1 : 4 : 8 for foundation
- ii) Wood work for frames of doors and windows
- iii) Wood work for roof
- iv) Roofing with M.P.Tile
- v) Flooring with ceramic tiles. 50

VI. a) Explain free hold property and leasehold property. 7

b) What is sinking fund ? What is its philosophy and how calculations are to be made ? 8

OR

VII. The present value of a property is 22,50,000/- out of which the cost of land is Rs. 2,50,000/-. The owner of the property expects 7.5% return on the cost of construction and 6.5% on the cost of land. If the further life of the building is estimated as 70 years and at the end of its life, Rs. 13,00,000/- will be required for replacing the construction. Calculate the standard rent of the property if the rate of interest on sinking fund 5%, Annual repair cost 1% of cost of construction, all other out going shall be 30% of net income, scrap value 10% of its present value. 15

