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10CV/CT73

Seventh Semester B.E. Degree Examination, Dec.2018/Jan.2019
Estimation and Valuation

Time: 3 hrs.

Max. Marks:100

- Note:** 1. *Part – A Q.No. 1 which is compulsory, Answer any FOUR questions by Selecting any TWO from part B and TWO from part C each.*
2. *Missing data, if any, may be suitably assumed.*

PART – A

- 1 Prepare a detailed estimate residential building in Fig.Q1(Refer page no.2) for the following items of work. Prepare on abstract of estimated cost.
- Earth work excavation for foundation in hand soil at Rs. 125/m³
 - CC 1 : 4 : 8 for foundation at rate Rs. 2800/m³
 - Size stone masonry for foundation in cm 1 : 8 and basement in cm 1 : 6 at rate
 - BBM for superstructure in cm 1 : 6 at the rate of Rs
 - Internal plastering in cm 1 : 6 for walls at rate of Rs. (40 Marks)

PART – B

- 2 Prepare a detailed estimate of a manhole from the given drawing Fig.Q2(Refer page no.3), work out the quantities and cost of the following terms of work.
- Earth work excavation for foundation at the rate of Rs.200/m³
 - CC 1 : 4 : 8 for foundation at rate Rs
 - First class brick work in cm 1 : 4 at rate of Rs. (15 Marks)
- 3 Write detailed specification of any three of following :
- Size stone masonry for foundation in cm 1 : 8
 - BBM for super structure in cm 1 : 6
 - 12mm ceiling plastering
 - Cement concrete 1 : 2 : 4 for plinth. (15 Marks)
- 4 a. Enumerate various types of estimate. Explain any two in brief. (10 Marks)
b. "Estimate is never the actual cost but it is approximate cost" Explain briefly. (05 Marks)

PART – C

- 5 Workout form first principle, the rate analysis for any three of the following :
- Cement concrete 1 : 4 : 8 for foundation
 - BBM for super structure in cm 1 : 6
 - Size stone random rubble masonry for foundation in cm 1 : 8
 - CC 1 : 1 $\frac{1}{2}$: 3 for beams with 2% steel. (15 Marks)

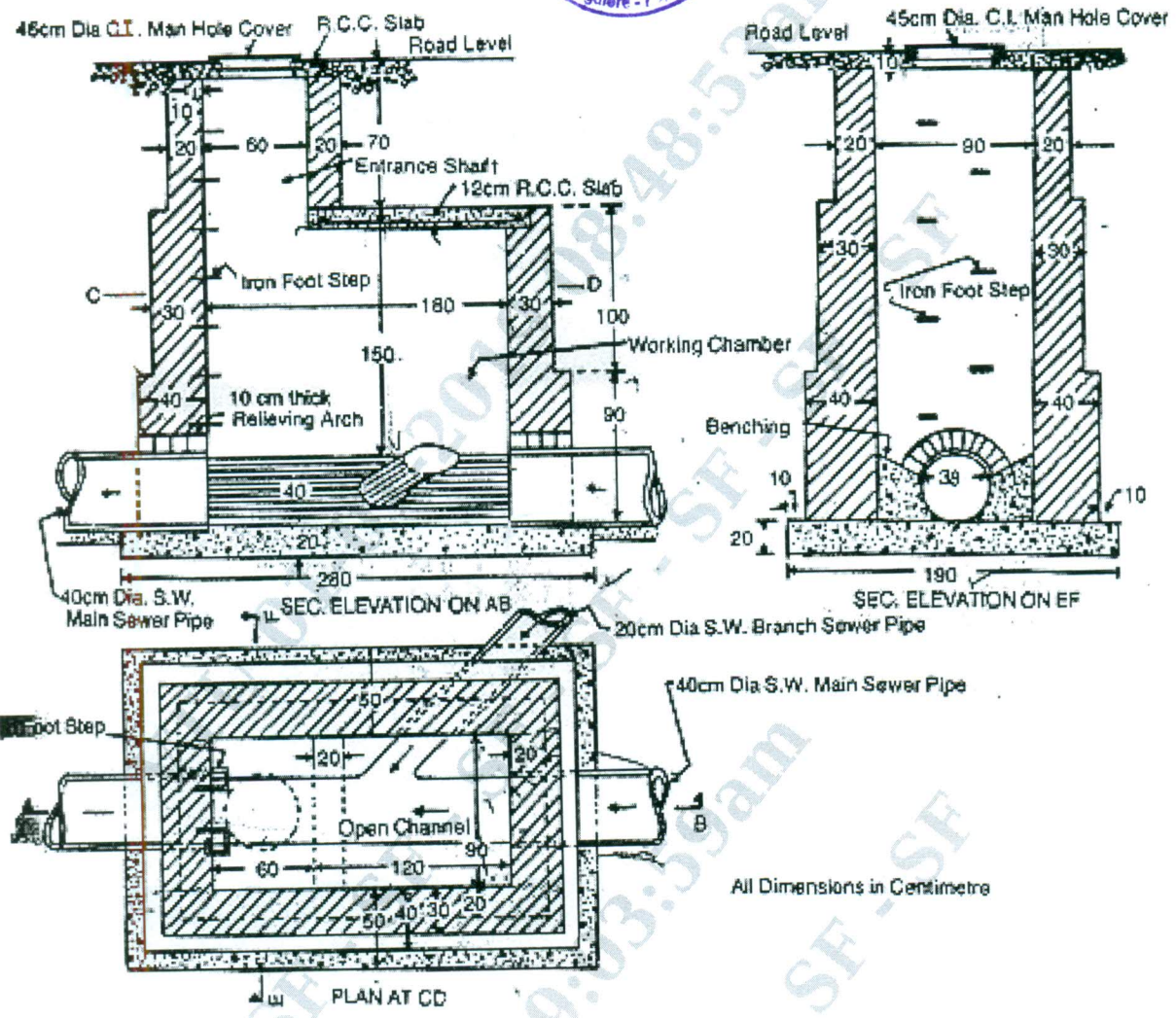


Fig.Q2
