

Quantity Survey Estimation and Valuation

AGJ 1st half (w+) 47

Con. 9538-13.

(REVISED COURSE)
(4 Hours)GS-561
[Total Marks : 100

N.B. : (1) Question No. 1 is compulsory.

(2) Attempt any four questions out of the remaining six questions.

(3) Assume suitable data wherever required.

(4) Draw neat sketches wherever required.

1. Figure (i) (Refer to Page No. 3) Shows the plan and sectional detail of a load bearing residential building. 20

Calculate the quantities of items of work by referring the drawing.

- (a) UCR Masonry in CM (1:5) 6
- (b) 1st class Brick Masonry in CM (1:4) in super structure. 7
- (c) 2-5 an thick DPC (1:2:4). 7
- (d) Net quantity of 12 mm thick internal plaster in CM (1:4).
2. (a) Prepare an abstract for all items in question No. 1. 6
- (b) Prepare Rate analysis for following item –
- (i) 1st class brick masonry in CM (1:4) 7
- (ii) RCC work for columns (1:1½:3) with 1% steel. 7
3. (a) Prepare an approximate estimate for a (G+3) RCC framed structure with 6 flats on each floor having a carpet area of 80 sq m located in Central Mumbai City. Assume suitable cost of construction. 10
- (b) Explain briefly the various methods of finding approximate estimate. 10
4. (a) Draft a tender notice for construction of a foot over bridge on the Highway in suburban Mumbai. 10
- (b) Explain in detail various types of tenders. 10
5. (a) Calculate the quantities of earthwork for poxtion of a road for a length of 300 m with the following data. 12

Chainage (m)	0	30	60	90	120	150
Grand Level	171.1	171.2	170.9	171.2	170.8	170.7
	180	210	240	270	300	
	170.6	170.4	169.1	169.5	173.7	

The formation level at chainage 'O' is 170.0 and the road is in a rising gradient of 1 in 150. The width of formation level is 10 m and side slop is 1.5:1 in embankment and 1:1 in cutting.

Also calculate the cost of this earthwork in banking and cutting.

Assume suitable rates and also draw the profile diagram.

- (b) Draft the detailed specification for send faced external plaster. 8

Estimation And Valuation Question Papers

R Sandford



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