

PART - B

- 2 The plan and section of a 'Septic tank' is given in Fig. Q2. Work out quantities and cost of following items of work.
- Earthwork excavation in foundation at Rs.300/m³.
 - First class brick work in CM 1 : 3 at Rs.8000/m³ in septic tank.
 - Second class brick-work in 1 : 6 cement mortar in soak pit at Rs.6000/m³.
- (15 Marks)

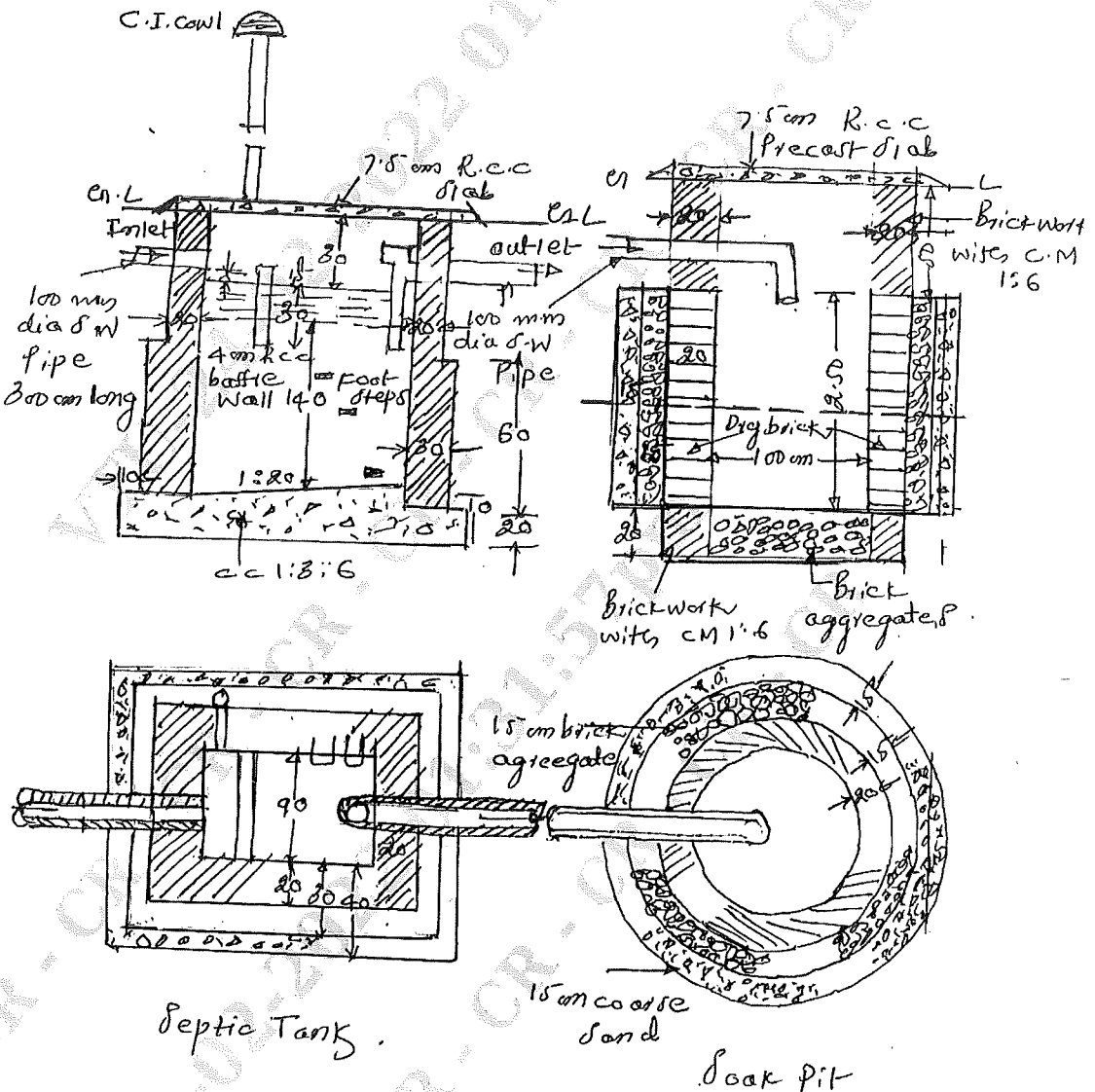


Fig. Q2

- 3 Write the detailed specification for following items of work.
- Earthwork excavation in foundation.
 - Reinforced cement concrete.
 - Cement plastering.
- (15 Marks)
- 4
- List various purpose of estimation.
 - What are types of estimates and explain any one of them?
- (15 Marks)

PART – C

- 5 a. Explain “Sinking Fund”.
 b. Briefly explain “The piece work agreement”.
 c. Mention the advantages and disadvantages of “Lum Sum contract”. (15 Marks)

- 6 Prepare a detailed estimate for the earthwork for portion of a road from following data:

Distance in metres	0	100	200	300	400	500	600
R. L. of Ground :	114.50	114.75	115.25	115.20	116.10	116.85	118.00

Distance in metres :	700	800	900	1000	1100	1200
R. L. of Ground :	118.25	118.10	117.80	117.75	117.90	119.50

R.L. of formations – 115 upward gradient 1 in 200

Up to 600 mt →←Downward gradient 1 in 400

Formation width of road is 10 mts side slopes 2 : 1 in banking and 1.5 : 1 in cutting . Adopt suitable rates. (15 Marks)

- 7 Write short notes on the following:
- a. Termination of contract. (05 Marks)
 b. Measurement book. (05 Marks)
 c. Nominal Muster Roll. (05 Marks)

* * * * *

