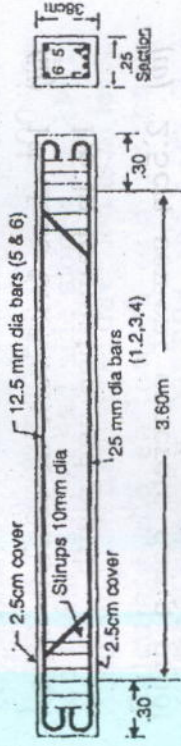






4. Work out the quantity of cement concrete (1:2:4) and reinforcement in a beam as per section given in figure. Also prepare the schedule of bars - 20



Data-

Clear span = 3.6m

Bearing = 0.3m on either side.

Section of beam = 25cm×38cm

Reinforcement = 4 bars (main) 2.5cm dia.

Hanger bars = 2nos., 1.25cm dia

Stirrups = 10mm dia 2cm c/c

Rates--

- (i) RCC work (1:2:4) excluding steel and its bending @ 675 per cm.
- (ii) Steel bars including bending (mild steel) in RCC work @ 515 per q.

5. (a) Analyse the rate of concrete 1:5:10 in foundation with brick ballast 40mm thick gauge, unit 1cum, take - 10cum. 6

- (b) Analyse the rate of cement concrete of 1:2:4 proportion in 1cum unit, take 10 cum. 7

- (c) Analyse the rate of 2.5cm thick cement concrete 1:1.5:3 damp proof course unit-1 sqm, take-100 sqm 7

6. (a) Find the depreciation of a RCC building purchased for Rs. 15 lakhs and the salvage value being Rs. 1.5 lakh after 12 years. Calculate the depreciation for each year adopting straight line method. 10

- (b) Write the detailed specification of lime concrete in foundation. 10

