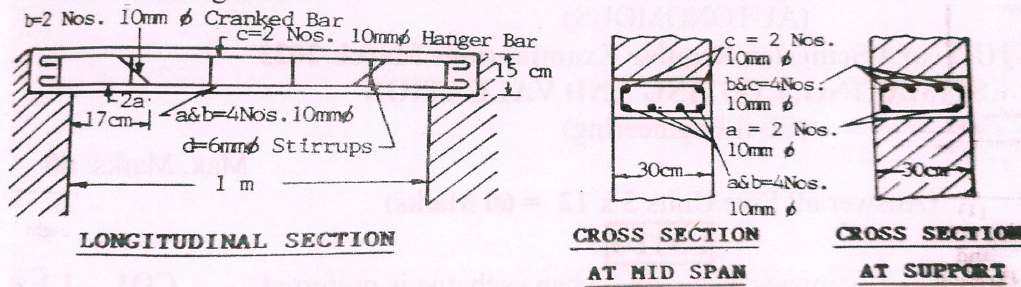


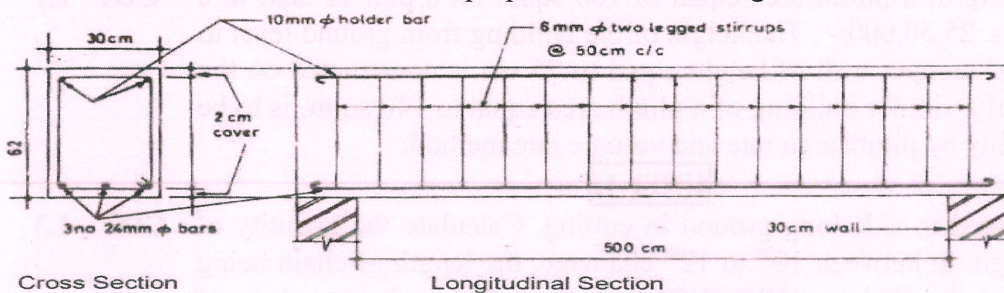
UNIT-III

- 5 Prepare a schedule of bars for the RCC lintel shown in figure assuming bearing of the lintel be 15 cm on walls at each side. Weight of 100 mm dia bar = 0.62 kg/RM and 6 mm dia bar = 0.22 kg/RM. CO2 L3 12M



OR

- 6 The following figure shows the longitudinal section & cross section of a simple beam of clear span 5.0 m. The thickness of support wall is 300 mm. Workout the total quantity of the reinforcement in the beam. Also prepare the bar bending schedule CO2 L3 12M



UNIT-IV

- 7 a Work out the rate analysis for PCC (1:3:6) and RCC (1:1.5:3) for foundation. CO4 L3 6M
 b What are the factors affecting the rate analysis? Describe briefly the procedure of rate analysis. CO4 L1 6M

OR

- 8 Prepare the rate analysis for plastering in CM (1:3), with 12 mm thick for ceiling and outside wall plastering in CM (1:4), with 20 mm thick. CO4 L3 12M

UNIT-V

- 9 a Give detailed account on specifications of RCC (1:2:4). CO5 L2 6M
 b Describe the general specification for first class buildings. CO5 L2 6M

OR

- 10 Calculate the standard rent of a Government residential building newly constructed from the following data – CO6 L3 12M

- (i) Cost of land –Rs.10,000.00
 - (ii) Cost of construction of the building –Rs.40,000.00
 - (iii) Cost of roads within the compound, and fencing –Rs.20,00.00
 - (iv) Cost of sanitary and water supply works – 8% of the cost of building
 - (v) Cost of electric installation including fans – 10% of the cost of building
 - (vi) Municipal House tax – Rs.400.00 per annum
 - (vii) Water tax – Rs.250.00 per annum
- Property tax – Rs.140.00 per annum

*** END ***