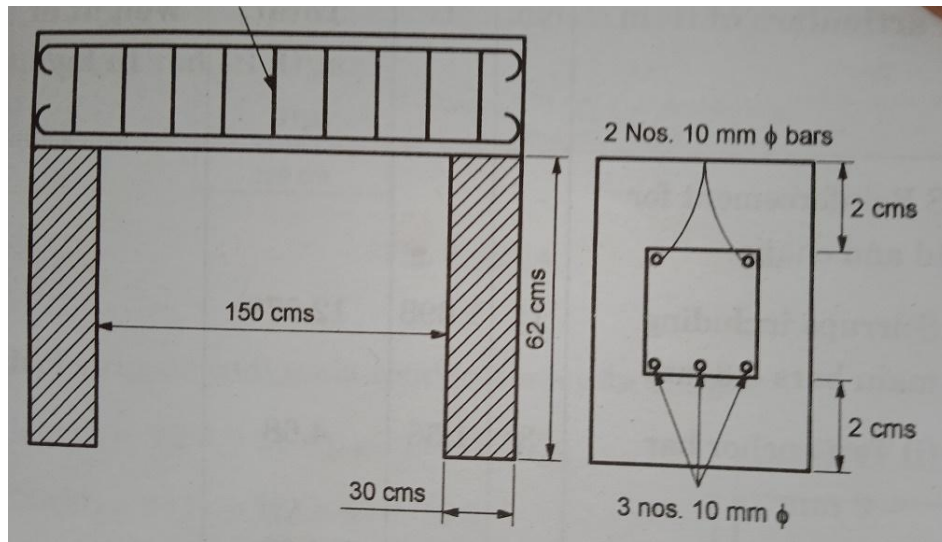


- B** The figure shows the longitudinal and c/s of a simple beam, the clear span being 5.00 m. The thickness of support wall is 30 cms. Work out the total quantity of reinforcement in the beam. Show measurement details. Also below bar bending schedule. 7



- Q-3** **Attempt all questions** (14)
- A** Give the principles of writing specification. 7
- B** Explain different types of tenders. 7
- Q-4** **Attempt all questions** (14)
- A** Determine the basic materials required for construction of 135 Cu.M. of brick masonry (1:6) 7
- B** Discuss in brief essential requirements of a valid contract. 7
- Q-5** **Attempt all questions** (14)
- A** Distinguish between the terms. 7
1. Scrap value and salvage value
 2. Free hold property and lease hold property
- B** Write the specification for the first class brickwork in C.M 1:6. 7
- Q-6** **Attempt all questions** (14)
- A** The cost of newly constructed building was Rs. 150000/- The life of building is 75 years. Determine the depreciation in the 30th year of life by straight line method, constant % method and sinking fund method at the 8% compound interest. The scrap value of building is 10% of its construction cost. 7
- B** Draft a tender notice for construction of public health center with all criteria. 7
- Assume suitable data and write precise tender notice.
- Q-7** **Attempt all questions** (14)
- A** Enlist different types of contracts and Explain each of them. 7
- B** Prepare the rate per cubic meter for providing and laying RCC (1:1.5:3) for beam and slab including formwork and steel reinforcement. 7

Q-8

(14)

Work out quantities for the following item of works by center line method from the plan provided in figure.

- (1) Excavation for foundation.
- (2) PCC for foundation.
- (3) Foundation Brick masonry.
- (4) Earth filling.
- (5) Kota stone flooring.

