

Total No. of Questions : 12]

SEAT No. :

P1950

[Total No. of Pages : 5

[5059]-515

B.E. (Civil)

QUANTITY SURVEYING, CONTRACTS AND TENDERS
(2012 Pattern)

Time : 2 ½ Hours]

[Max. Marks : 70

Instructions to the candidates:-

- 1) *Solve Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8., Q.9 or Q. 10., Q.11 or Q.12.*
- 2) *Figures to the right indicate full marks.*
- 3) *Use of electronic pocket Calculator is allowed.*
- 4) *Assume Suitable data f necessary.*
- 5) *Neat diagrams must be drawn wherever necessary.*

Q1) a) Define Estimate. State various purposes of estimates. [3]

b) Explain following : [3]

i) Contingencies

ii) Work Charge Establishment

OR

Q2) a) Enlist any 6 of the items of work for estimation of building project and give their unit of measurement. [3]

b) State various methods of approximate estimate and explain any one. [3]

P.T.O.

Q3) Figure 1(A) & 1(B) shows plan and elevation of residential building. Determine the quantities of following items. [8]

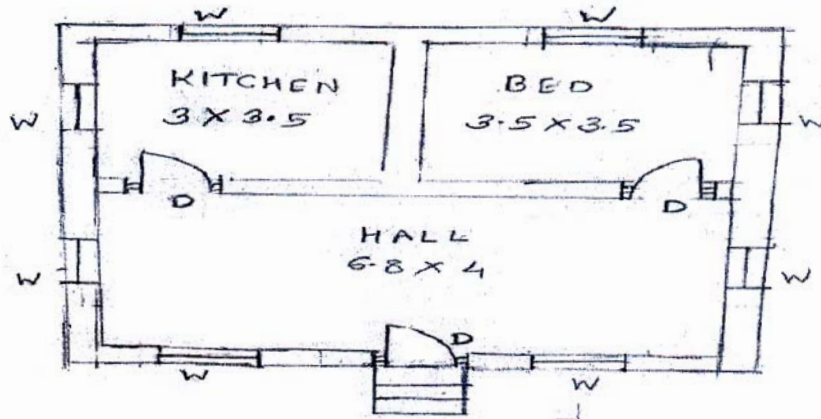


Fig 1(A)
PLAN

D - 1.2 x 2.0 m
W - 1 x 1.8 m
All dimensions are in mm

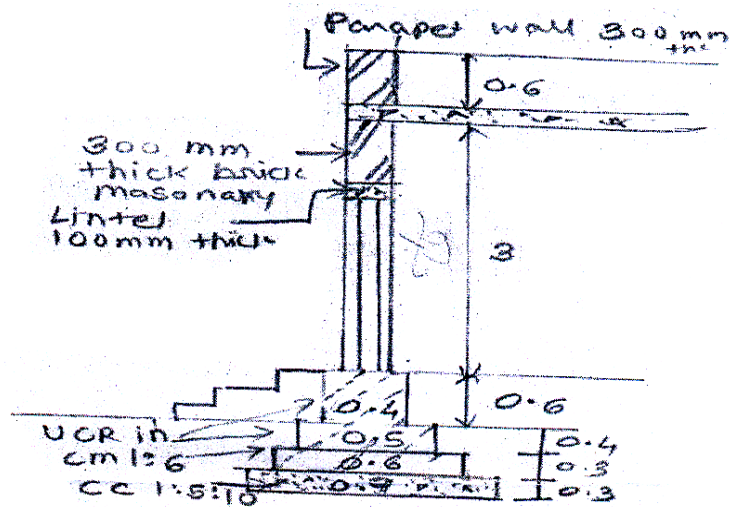
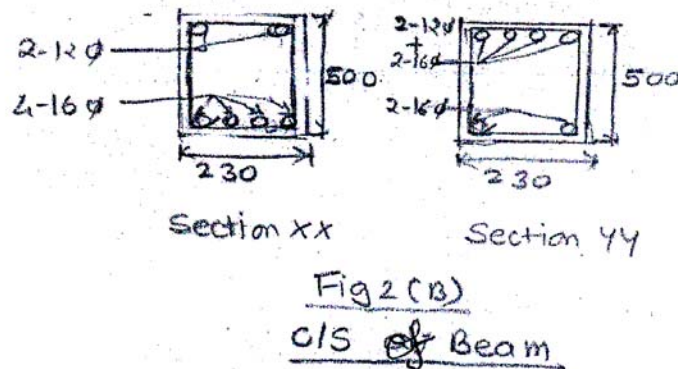
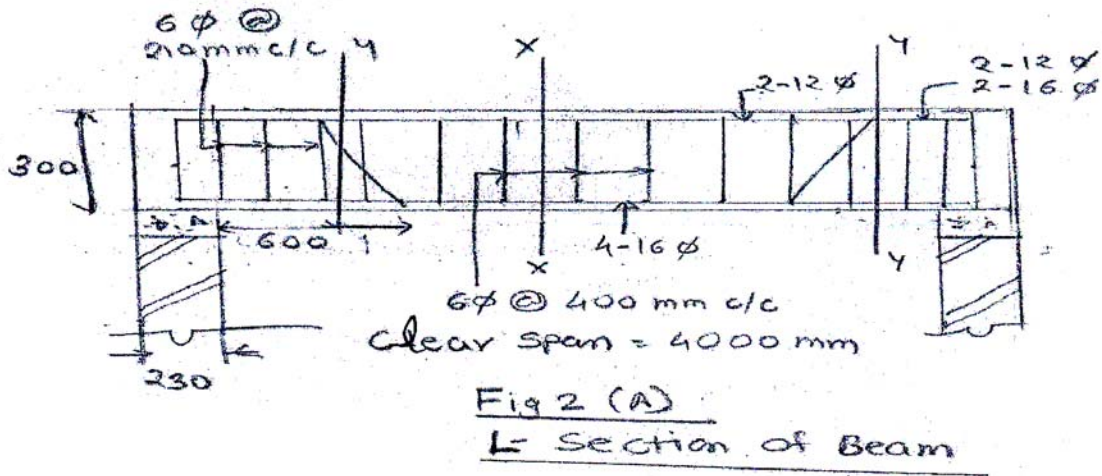


Fig 1(B)
ELEVATION

- i) Excavation in foundation
- ii) Cement Concrete (1:5:10) in foundation
- iii) UCR masonry in CM (1:6) in foundation

OR

Q4) Prepare bar bending schedule for Fig 2(A) & 2(B) shows the L-section and cross section of RCC beam. Also determine the % steel in the beam (Assume Density of Steel is 7860 kg/m^3) [8]



Q5) a) Define following : [3]

- i) Market Value
- ii) Book Value
- iii) Distressed Value

b) Explain meaning of Price, Cost and Value and also discuss the purpose of valuation. [3]

OR

Q6) Define Depreciation and state the methods for its determination.

The estimated cost of a building is RS. 200000. It is 20 years old and well maintained. The life of the structure is assumed to be 80 years. Determine the depreciated value of the building. The fixed percentage of depreciation is unity. [6]

- Q7)** a) Draft a detailed specification for providing & laying RCC of M25 grade including form work & including steel reinforcement for a slab with all other standard requirements which are normally specified in BOQ. [6]
- b) Explain how the various direct cost and indirect cost are considered in analysis of rate of building item. [6]
- c) What is task work? Why does it vary? Explain its importance with an example. [6]

OR

- Q8)** a) Prepare rate analysis for providing and laying RCC of M25 grade for plinth and Foundation using basic rates as per the current DSR. [6]
- b) Explain purpose of specifications and state its different types. [6]
- c) Explain the terms overheads and sundries. [6]
- Q9)** a) Draft a specimen tender notice for the construction of a bridge assuming suitable details. [6]
- b) Discuss merits, demerits of Open Tenders as against Negotiated Tender. [6]
- c) Explain the purpose of taking Security Deposit in tender. [4]

OR

- Q10)** a) Explain the PWD procedure for execution of minor works. [6]
b) State true or false with justification: A lowest tender can be rejected. [6]
c) State and explain the prequalifications for tenders. [4]

- Q11)** a) Explain with an example the validity of statement “All contracts are agreements but all agreements are not necessarily contracts”. [6]
b) Explain “3 Bid system” of submitting tenders. What is its advantage? [6]
c) Explain “Pre-Bid conference” stating its advantages. [4]

OR

- Q12)** a) Explain the following with examples : [6]
i) Detection of unbalanced bid
ii) Time is the essence of contract
b) Explain B.O.T. type of tender and quote any one field example wherein it is actually being utilized. [6]
c) Explain Arbitration. [4]

