



Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, April 2014
(2008 Scheme)
08.804 : QUANTITY SURVEYING AND VALUATION (C)**

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions.

1. Explain the difference between detailed estimate and abstract of estimate.
2. Explain the procedure for working out the quantities by using Centre Line Method.
3. Estimate the quantity of soiling stone 15 cm size for a road of carriage way width 4.20 m, and for a length of 1.20 Km and for CC above soiling for 12 cm thick.
4. Differentiate between :
 - a) Scrap value and salvage value
 - b) Market value and book value.

(4×5=20 Marks)

PART – B

Answer **any one** question from **each** Module.

Module – I

5. a) Give detailed specification for flooring with PCC 1:3:6, mix 100 mm thick. **5**
b) Work out unit rate for the following work.

Cement concrete work, mix 1:5:10, using 40 mm brokenstone.

Material	Quantity	Rate
Brokenstone	0.95 Cu.m	Rs. 450/ Cu.m
Sand	0.48 Cu.m	Rs. 500/ Cu.m
Cement	137 kg	Rs. 3,300/Tn
Mason	0.10 No.	Rs. 450/no.
Men/Women	1.00 No.	Rs. 350/no.

Quantity one cubic meter (1 Cu.m) **10**

OR

P.T.O.



6. a) Give detailed specification for RCC covering slab for road drain. 5
 b) Work out unit rate for the following work.

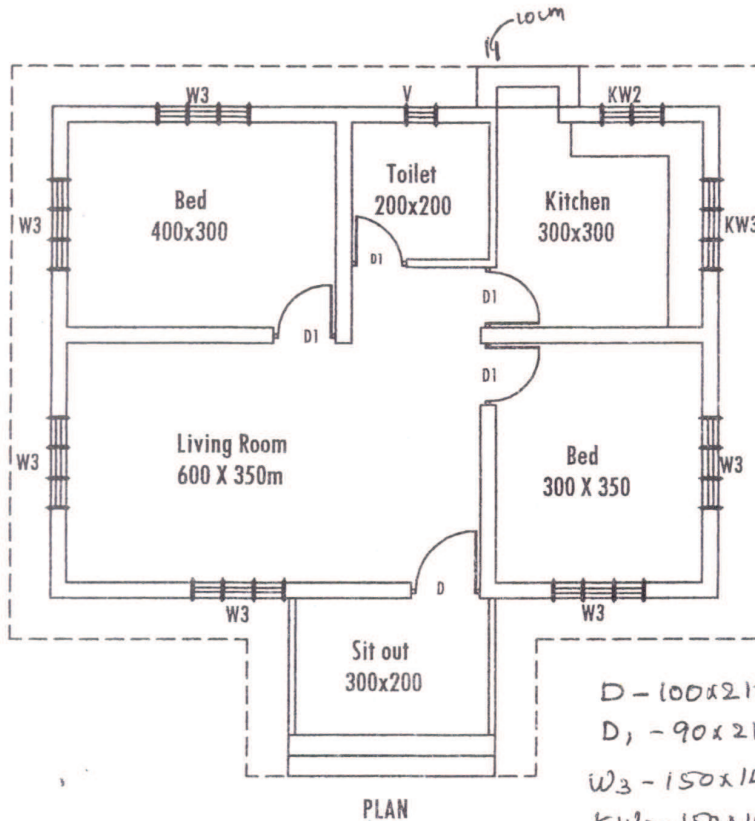
Brickwork in CM 1:6 using country burnt bricks for foundation and basement.

Material	Quantity	Rate
Brick	500 nos	Rs. 730/1000 nos
Sand	0.24 Cu.m	Rs. 750/Cu.m
Cement	58 kg	Rs. 4,000/Tn
Mason	0.70 no.	Rs. 550/no.
Men/women	1.05 no.	Rs. 475/no.

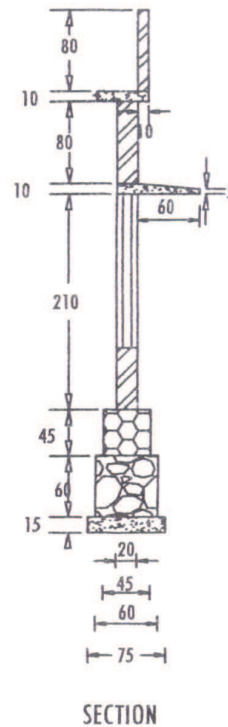
10

Module – II

7. Estimate the quantities and prepare the abstract of estimate (based on existing rates) of the following : 50
- Earthwork in foundation
 - Plain cement concrete in foundation
 - 2.50 cm thick damp proof course at plinth level
 - Brickwork in Superstructure in Cement mortar 1:6
 - Wood work for doors and windows.



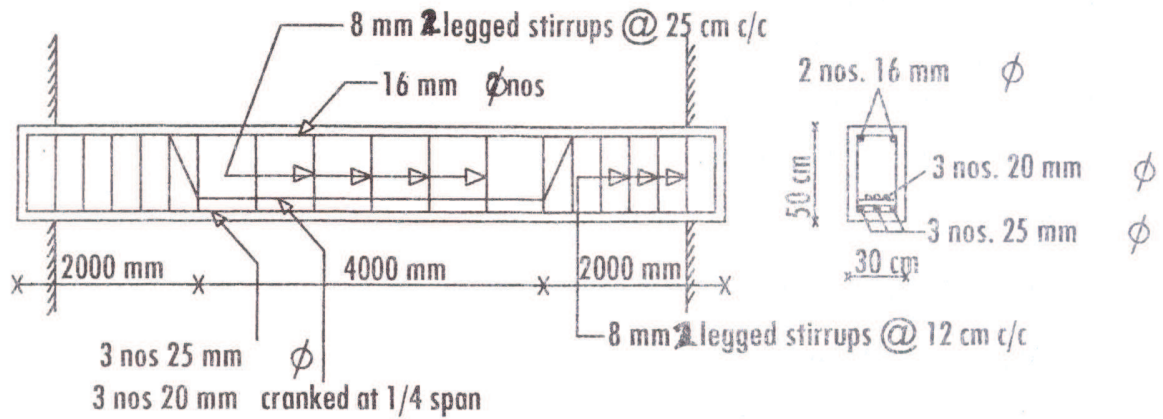
D - 100x210
 D₁ - 90x210
 W₃ - 150x140
 KW₃ - 150x100
 KW₂ - 100x100
 V - 60x45



OR



8. a) Prepare schedule of bars for a beam shown in fig. 1 and calculate the materials required for the same. Use MS bar and 1:2:4 concrete. 25



- b) Prepare a detailed estimate of quantities and abstract of estimate of a compound wall of length 45 m. as per the following data. Foundation R.R in C.M 1:8, 45 cm. wide and 70 cm deep. Depth of foundation 60 cm. below ground level. Superstructure 10 cm thick brick wall using wire cut bricks in C.M 1:5, 1.5 m. high and brick pillars of size 20 cm x 20 cm at 3 m c/c. with offset at one side. Plastering the wall with C.M 1:4, 12 mm thick. one coat and painted with cement paint 2 coats. Assume suitable prevailing market rate. 25

Module – III

9. a) What are the different types of Annuity ? Explain. 5
- b) A builder intend to purchase a land of 1000 areas of land and desire to develop into plots of 7 are each after providing necessary roads and open space (30%) the current sale prize at the neighbourhood is Rs. 300/m². The builder wants a net profit of 20% work out the maximum price of land for purchase. 10

OR



10. a) Explain the procedure for Rental method of valuation for buildings. 5
- b) A building is constructed at a cost of Rs. 2,50,000 on a land purchased at Rs. 50,000. The owner of the property expects a return of 9% on the cost of construction and 8% on the cost of land. The building is estimated to have a future life 60 years at the end of which it requires Rs. 3,25,000 for constructing of a new building in its place.
- Determine the standard rent of the property, given :
- i) Rate of interest for sinking fund at 6%
 - ii) Annual repairs at 1.50% of the cost of construction
 - iii) All other outgoings 28% of the net income of the property
 - iv) Scrap value at the end of the useful life of the building as 10%. 10
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