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Register Number:

Name of the Candidate:

B.Sc. DEGREE EXAMINATION December 2014

(CONSTRUCTION MANAGEMENT)

(FIFTH SEMESTER)

530: ESTIMATION AND VALUATION

Time: Three hours

Maximum: 75 marks

Answer ONE FULL question from each UNIT

(5 × 15 = 75)

UNIT-I

1. Prepare the estimate for the construction of a macadam road for one kilometre length having the following specifications.
Formation width of the road 15m
Side slopes 2:1(H:V)
Average height of bank=0.60m
Metalled width of road =3.80m
Soiling coat of hard stone 63mm size, 20mm thick sides shall be provided with brick edging, wearing coats in two layers, each layer 10cm thick of stone aggregate 50 mm nominal size.
(OR)
2. Calculate the quantities of following works in the residential building as shown in fig.
 - a) Earthwork excavation
 - b) Brickwork in cm 1:8 in substructure
 - c) PCC 1:5:10 in foundation
 - d) Marble floor finishing

UNIT-II

3. Calculate the wood quantities for fully parallel door of size 1.10 ×2.10m (double leaf)
Size of post and head:100×75mm(rebate 15mm)
Size of lock rail:150×150mm
Size of bottom rail:200×50mm
Size of style of other rails:90×50mm
Number of panels: 6
Thickness of panels: 25 mm
(OR)
4. (i) Describe the procedure for the quantities of rate per m² (a) cement concrete floor 1:2:4, 3cm (ii) Brick work in cm1:5 – 1m³.

UNIT-III

5. a) Give the detailed specifications of the following items of works. (i) White washing (b) Reinforced cement concrete.
b) Explain how pre-tender planning is done.
- (OR)
6. a) Write down detailed specifications of the following (i) Sand filling in foundation. (ii) Earth work excavation.
b) Define tender notice. What is the information furnished in tender document?

UNIT-IV

7. Write down the merits and demerits of the different contract agreement systems?
- (OR)
8. Explain the following items? (a) Quotations (b) Secured advance (c) Voucher (d) First and final payment.

UNIT-V

9. Explain the various methods of valuation with suitable examples.
- (OR)
10. A owner occupied property is required to be valued for the wealth tax purpose on land and building the following particulars are available. Find the present value of the property.
Value of land ₹ 4,00,000.00
Cost of the building to put up such building at present ₹ 10,00,000.00
Age of the building 40 years
Estimate cost of repairs 50,000.00
Depreciation to be allowed for the building 0.75% per annum.
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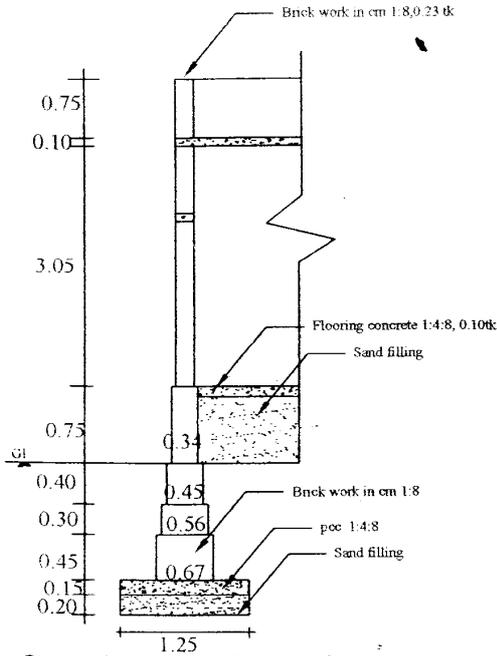
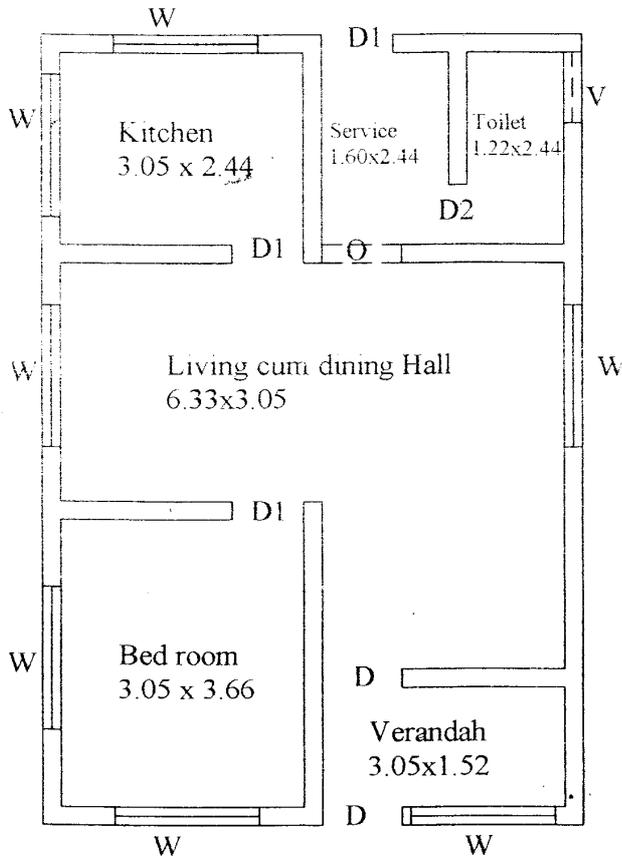


Figure-1

Joineries

- D 1.00x2.10m
- D1 0.90x2.10m
- D2 0.75x2.10m
- W 1.82x1.37m
- O 1.52x2.10m
- V 0.90x0.60m

Sectional elevation



Plan