

GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER – VIII EXAMINATION – WINTER 2016

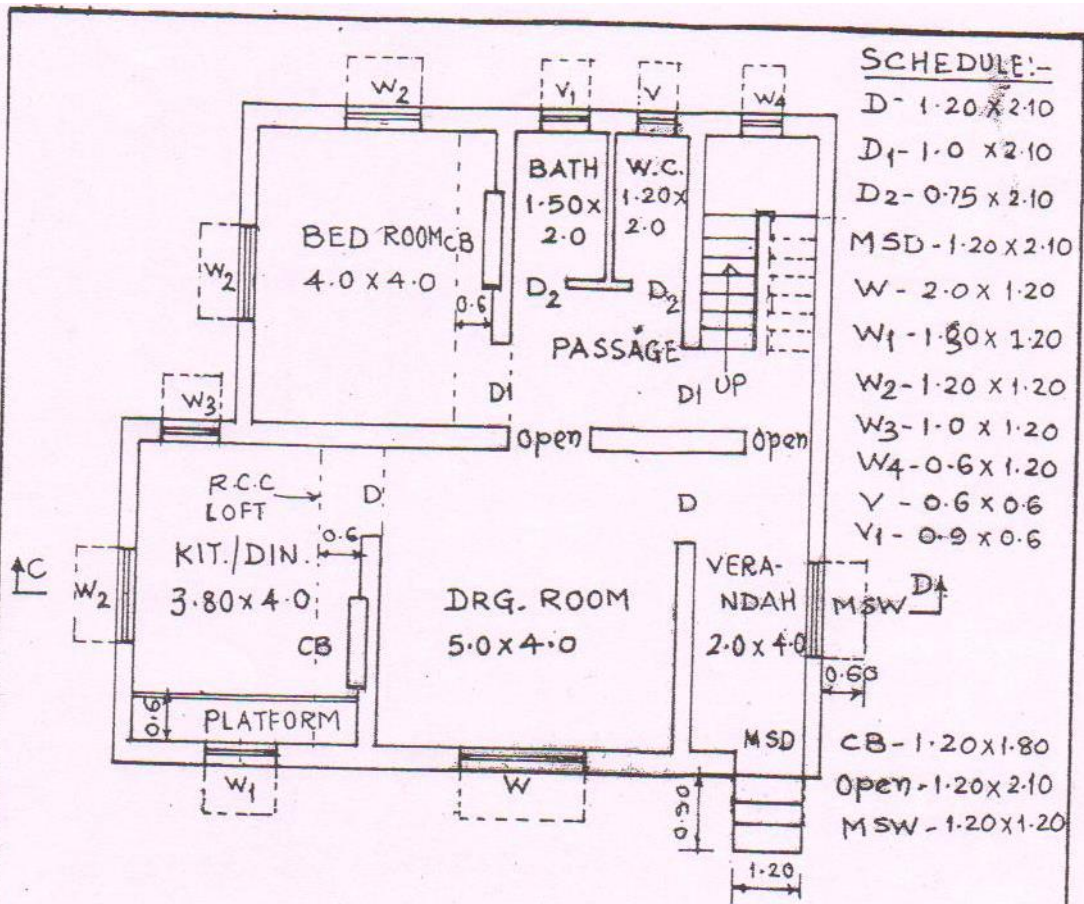
Subject Code: 180603**Date: 21/10/2016****Subject Name: Professional Practice & Valuation****Time: 02:30 PM to 05:30 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a)** Calculate the following quantities of the Residential building which is shown in Fig.No.1 **07**
 (i) Excavation in foundation
 (ii) First class Brickwork in C.M.(1:6) in foundation & plinth (without steps)
- (b)** (i) 12mm thick cement plaster in C.M. (1:4) for Bedroom, Drawing room & Kitchen inside only. **07**
 (ii) First class Brickwork in C.M.(1:6) for Super structure only.(without parapet & partition wall)
- Q.2 (a)** Workout the quantities of following items for R.C.C.Column Fig no. 2 **07**
 (i) C.C.(1:2:4) & Form work for column & column footing.
 (ii) Reinforcement in Kg for column & column footing.
- (b)** (i) Define Specification. Enlist the principles of specification writing. **07**
 (ii) Define Rate Analysis. Enlist the factors affecting R.A.
- OR**
- (b)** (i) Define Taskwork. State the factors affecting it. **07**
 (ii) Write the detailed specifications for woodwork for Doors & Windows.
- Q.3 (a)** Derive Rate analysis for 10 cm thick brick partition wall in C.M. (1:4) **07**
(b) Draft a Tender Notice for a Girls hostel costing Rs. Two hundred lacs. **07**
- OR**
- Q.3 (a)** Calculate the quantities of different materials required for 10 cubic meter R.C.C. slab (1:2:4) with 1 % steel. **07**
(b) Write down type of Contracts & Explain any one in detail. **07**
- Q.4 (a)** Differentiate between (i) Book value & Market value (ii) Depreciation & Obsolescence (iii) Earnest money deposit & Security deposit **07**
(b) List various types of labor employed for construction work. Categorize them into skilled or unskilled labor. State their prevailing wages according to S.O.R. of your district. **07**
- OR**
- Q.4 (a)** Define (i) Capitalized value (ii) Years purchase (iii) Amortization **07**
(b) The construction cost of building is Rs.60000/on a plot of land admeasuring 200sq.mt.The land value is Rs.100/m². The life of the building is 60 years. The owner expects net return on construction cost at 8 % and on land cost at 4% on his investment. Scrap value of building is 10%. Considering all outgoings including. S.F. as 30% of G.I. Find out monthly Rent of this building. **07**
- Q.5 (a)** (i) Calculate the amount of yearly installment for a loan of Rs.80000/ to be return in 25 equal annual installments along with compound interest at 12% per annum. **07**
 (ii) Enlist the methods of valuation. Explain any one.
- (b)** Discuss the conditions for Termination of contract. **07**

OR

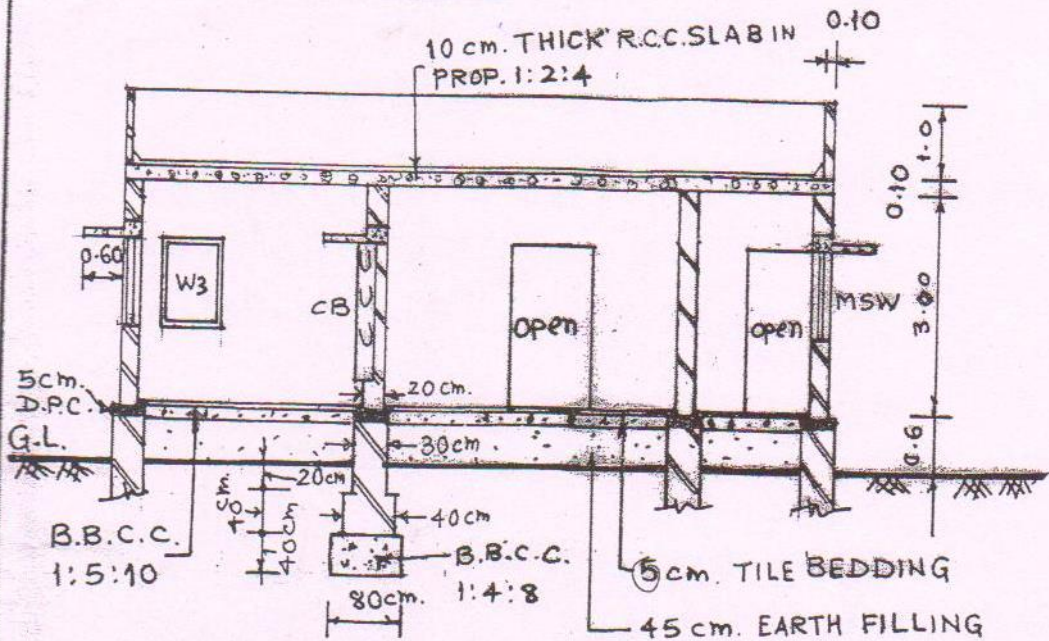
- Q.5** (a) (i) A person purchases a property for Rs.300000/.The future life of the property is 50 years. Consider the value of land as Rs.100000/ and scrp value of building as 12%. What amount should be set aside yearly as sinking fund if the rate of interest is 4.59%. **07**
- (ii) Enlist the purposes of valuation.
- (b) What is Muster roll ? What are the rules to be observed in its preparation? **07**



SCHEDULE:-

D	1.20 x 2.10
D ₁	1.0 x 2.10
D ₂	0.75 x 2.10
MSD	1.20 x 2.10
W	2.0 x 1.20
W ₁	1.80 x 1.20
W ₂	1.20 x 1.20
W ₃	1.0 x 1.20
W ₄	0.6 x 1.20
V	0.6 x 0.6
V ₁	0.9 x 0.6
CB	1.20 x 1.80
Open	1.20 x 2.10
MSW	1.20 x 1.20

GROUND FLOOR PLAN



SECTION AT 'C:D'
FIGURE NO. 1

NOTES:-
 • ALL DIMENSIONS ARE IN METRES EXCEPT SHOWN.
 ○ NOT TO SCALE
 ○ RISE 0.20 GOING 0.25

Take 15cm bearing for lintels.

