

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BA - SEMESTER-VI EXAMINATION – WINTER 2018

Subject Code:1065005

Date:05/12/2018

Subject Name:Estimating & Costing

Time:02:30 PM TO 04:30 PM

Total Marks: 50

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Use of only simple calculator is permitted in Mathematics.

- Q.1 (a)** From the given plan in Fig. estimate the following quantities: **15**
- (1) Earthwork for excavation
 - (2) 2nd class brick masonry for foundation up to plinth
 - (3) 1st class brick work for superstructure

- (b)** Prepare abstract sheet for above example. **05**
- (c)** Which type of data are required for the estimation ? Write in details. **05**

- Q.2 (a)** Write short note on (i) Typical Bay method, (ii) prime cost. **05**
- (b)** Explain Revised and Supplementary Estimate. **05**

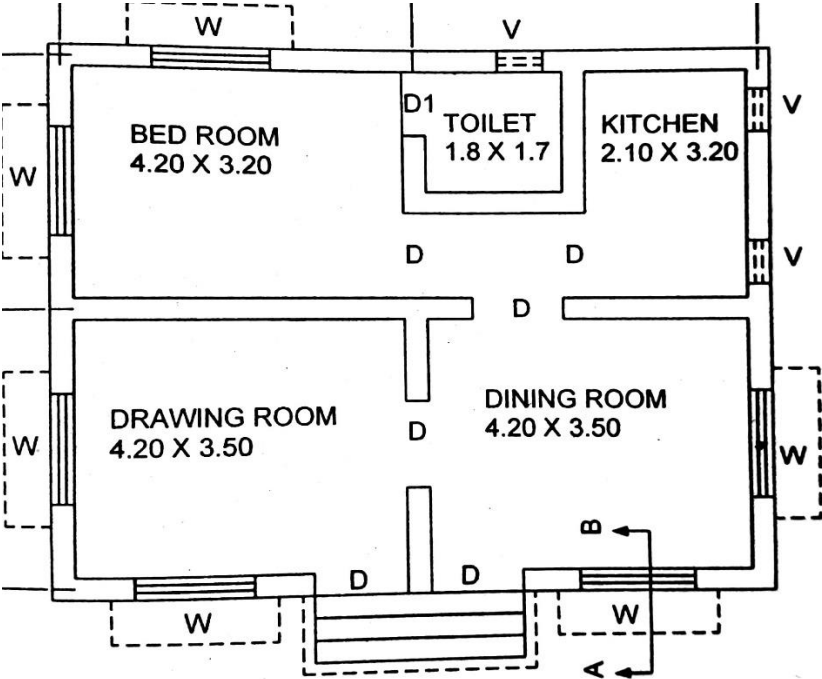
OR

- (b)** Explain the centerline method with suitable example. **05**

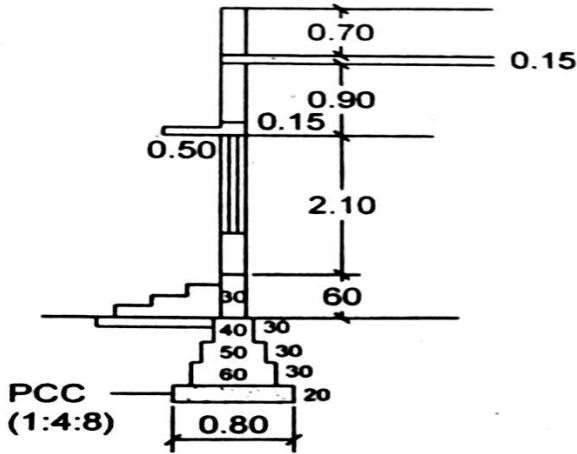
- Q.3 (a)** Which IS code is referred for the various measurements? Write the deduction rules for plastering. **05**
- (b)** What is specification? Write the specification for the 1st class brickwork in CM (1:6) for superstructure. **10**

OR

- Q.3 (a)** Define tender. Give classifications of tender. **05**
- (b)** Workout the rate analysis for RCC (1:1.5:3) take quantity 10 m³. **05**
- (c)** What are the different types of contracts? Explain any one. **05**



PLAN



SECTION - AB

REFERENCE

Type	Size
D	1.20M X 2.10M
D1	0.90M X 2.10M
W	1.50M X 1.40M
V	0.60M X 0.45M

