

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

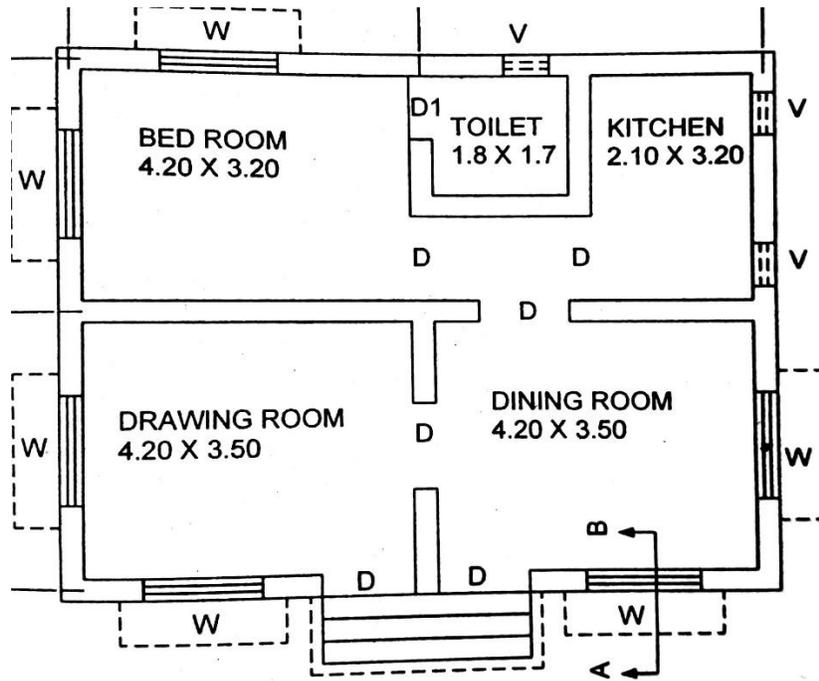
(b) What is specification? Write the specification for the 1st class brickwork in CM (1:6) for superstructure. 10

OR

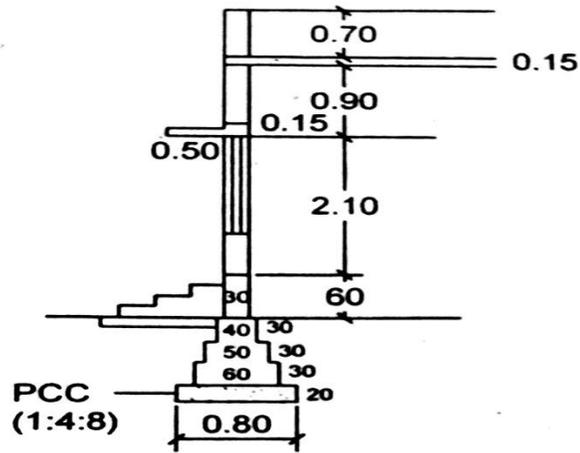
Q.3 (a) Define tender. Give classifications of tender. 05

(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

