

B.ARCH. SEM – VI (CBCS – 2015 COURSE) : WINTER - 2018
SUBJECT : ESTIMATION AND COSTING

Day : Thursday
Date : 22/11/2018

W-2018-3451

Time : 02.00 PM TO 04.00 PM
Max. Marks : 60

N. B. :

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Use of non-programmable calculator is **ALLOWED**.
 - 4) Answers to both the sections should be written in **SEPARATE** answer books.
 - 5) Assume suitable data, if necessary.
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SECTION – I

Q. 1 Carry out rate analysis of **ANY TWO** of the following: **(10)**

- a) R.C.C. beam 1:2:4 excluding reinforcement and framework - quantity 50 cum.
- b) Brick work 230 mm thick in CM 1:4 Quantity – 30 cum
- c) 12 mm thick Neeru finished plaster in CM 1:6 Quantity – 20 sqm.

Q. 2 Write short notes on **ANY TWO** of the following: **(10)**

- a) Market rates
- b) Rules for deducting plaster
- c) Overheads and profits
- d) Bill of Quantities

Q. 3 What is the difference between schedule of rate and analysis of rate? **(10)**

OR

What is the Data required to prepare rate analysis?

SECTION – II

Q. 4 Write short notes on **ANY TWO** of the following: **(10)**

- a) Revised estimate
- b) Importance and accuracy of estimate
- c) Center line method

P. T. O.

Q. 5 State units of measurement **ANY FIVE:**

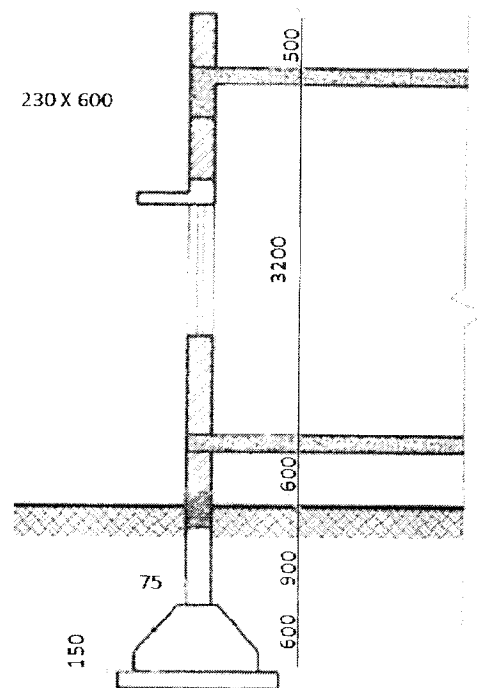
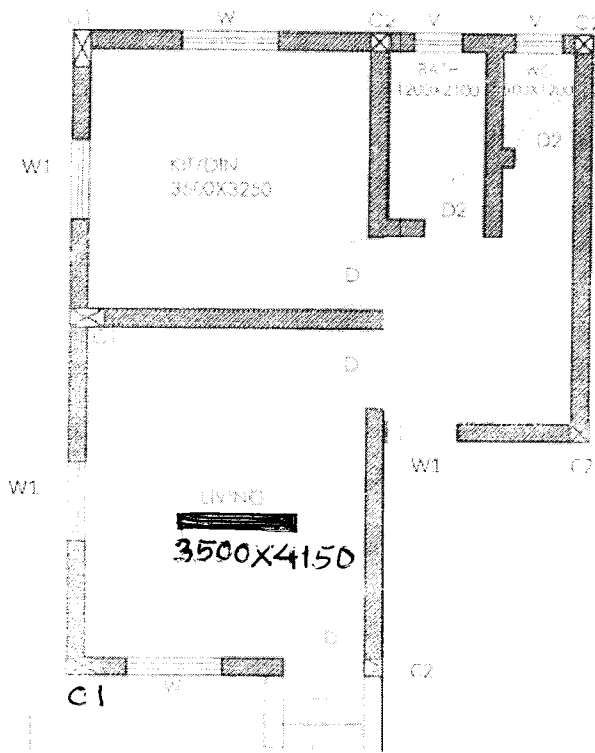
(05)

- a) T. W. railing
- b) Aluminum window
- c) R.C.C. beam
- d) B.B. masonry
- e) Storage tank
- f) Inspection Chamber
- g) Kota stone for Tread and Riser

Q. 6 Estimate the quantities for the following items from drawing in fig. in standard proforma of schedule of quantities **(ANY THREE)** **(15)**

- a) R.C.C. Chajja
- b) R.C.C slab thickness 150 mm
- c) Excavation in footing pits
- d) 25 mm thick external plaster
- e) Ceramic tile dado and flooring for toilets

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D-1000X2100

D2-800X2100

W-2000X1200

W1-1000X900

V-600X900

FOR ALL FOOTING -P.C.C.SIZE -1300X1300,

FOOTINGS 1000X1000

D-600,

d-150,

ALL FLR SLABS- 125 THK

ALL FLOOR BEAMS- ABOVE ALL 230 THKWALLS

-230X500,

ALL LINTELS-230X230 WITH BEARING 300MM,

C1-230X500MM,

C2-230X230