Day   : Friday   Time :   10.00 AM TO 12.00 PM
Date   : 03/05/2019   **S-2019-3716**   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.

SECTION – I

Q. 1   Analyze the rate for **ANY TWO** items: **(10)**

    a)   Brick work 150 mm thick in CM 1:6 Quantity – 50 cum

    b)   R.C.C. slab (1:1:5:3) machine mixed excluding reinforcement and framework - quantity 20 cum.

    c)   12 mm thick Neeru finished plaster in CM 1:4 Quantity – 50 sqm.

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

    a)   Market rates

    b)   Importance of overhead charges

    c)   Schedule of rates

Q. 3   Define rate analysis. Why it is required to carry out rate analysis? Explain in brief factors affecting the rate.   **(10)**

OR

What is the difference between schedule of rates and analysis of rates?

SECTION – II

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

    a)   Long wall – short wall method

    b)   Revised estimate

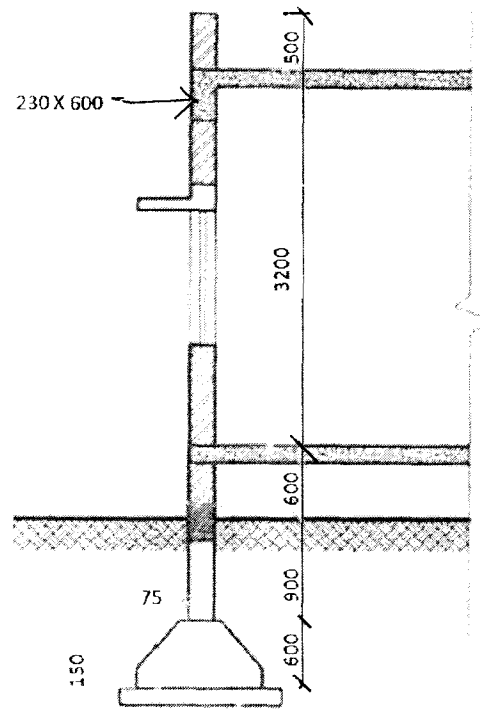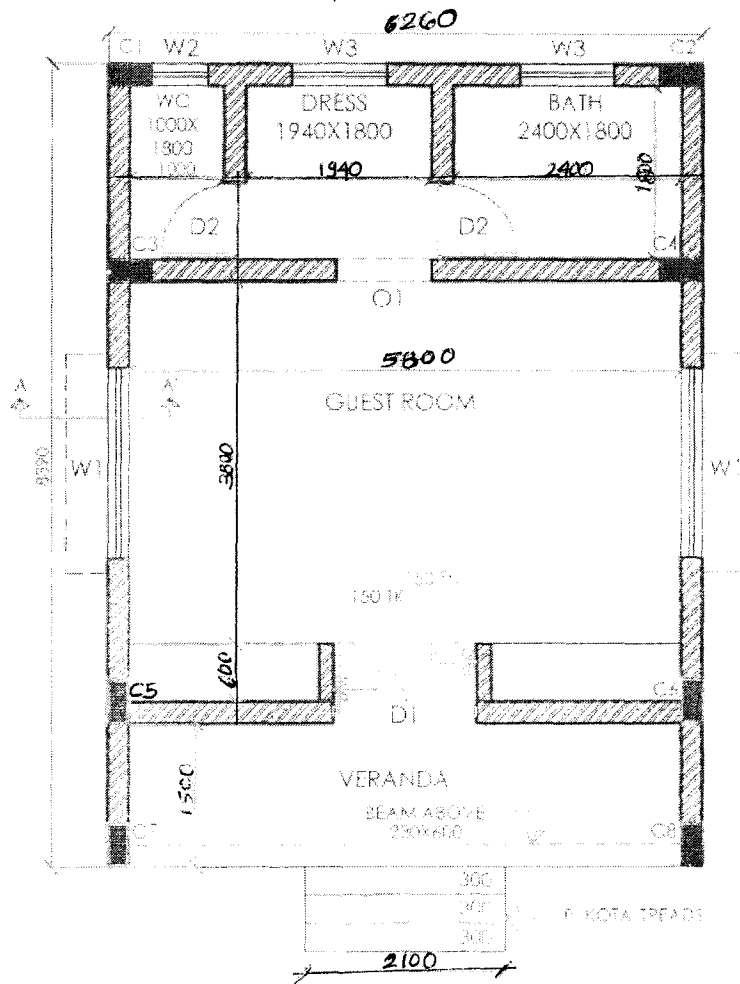   **c)**   Contingencies and work charged establishment

Q. 5   State units of measurement **ANY FIVE**:   **(05)**

    a) Half brick thick wall

    b) R.C.C column

    c) Glazed looring

    d) Inspection chamber

    e) Granite kitchen platform

    f) S. S. railing

    g) Luster paints

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

    a) R.C.C footing

    b) P.C.C (1:4:8) bed in foundation

    c) Glazed vitrified floor tiles

    d) Doors and windows

    e) Brick masonary in CM 1:5 in superstructure

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Floor plan labels:
- 6260
- C1 W2 W3 W3 C2
- WC 1000X1300
- DRESS 1940X1800
- BATH 2400X1800
- 1940
- 2400
- 1800
- D2
- D2
- C3
- C4
- O1
- 5800
- GUEST ROOM
- A
- A'
- W1
- 3800
- W1
- 150 TK
- C5
- 600
- C6
- D1
- 1500
- VERANDA
- BEAM ABOVE 230X60
- C8
- 300
- KOTA TREADS
- 2100

Section labels:
- 230 X 600
- 500
- 3200
- 600
- 75
- 900
- 600
- 150

D1-1500X2100	FOR ALL FOOTING P.C.C.SIZE -1300X1300,
D2-800X2100	FOOTINGS 1000X1000,
01-1000X2100	D-600,
W1-2000X1200	d-150,
W2-600X900	ALL FLR SLABS- 125 THK.
W3-1000X900	ALL FLOOR BEAMS- ABOVE ALL 230 THK WALLS -230X500,
	ALL LINTELS-230X230 WITH BEARING 300MM,
	C1-230X500MM.
	C2-230X230