School of Civil Engineering
Civil Engineering
ETE - Jun 2023

Time : 3 Hours   Marks : 50
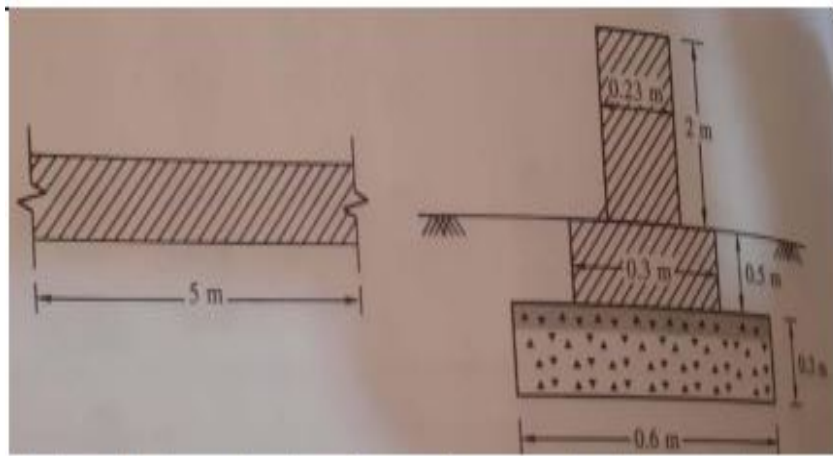
Sem VI - BCE01T3604 / BTCE3016
Quantity Surveying and Estimating
Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary

1.   Explain the key distinctions between real estate and personal property.   K2 CO5 (2)

2.   Write the units of measurement for Doors And Windows.   K1 CO2 (2)

3.   Explain mid-sectional area method .   K2 CO3 (2)

4.   Define the term Estimation.   K1 CO1 (2)

5.   What is work charged establishment?   K2 CO4 (2)

6.   Using the information below, create a thorough estimate for earthwork for a section of a road.   K4 CO6 (6)
DISTANCE IN M: 0, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200
RL OF COMP: 114.5, 114,75, 115,25, 115.2, 116.1, 116,85, 118,18,25, 118.1, 117,8, 117,7,75,
117,9, and 119.5From formation 115's upward progression of 1 in 2 600 metres to its downward
graduation of 1 in 400 metres
The road's formation width is 15 metres, with a 2:1 banking slope and a 1.5:1 cutting slope.
Adopt rates for banking Rs.275/- per cum for cutting Rs.350/- per cum

7.   Prepare the rate chart for each materials used in the construction.   K3 CO1 (5)

8.   The estimated value of a building is Rs.5,00,000.The carpet area of the building is 70 sq.m If the   K3 CO2 (5)
plinth area is 20% more than this ,what is the plinth rate of the building?

9.   Fig shows the plan and section of a part of a compound wall . Calculate the quantity of   K5 CO4 (8)
 a) Concrete required for foundations. b) Brick masonry required for footing and wall.

10. Construction of quantity of dry material and labor costs far 1st class brick construction in   K4 CO3 (8)
the superstructure in cement mortar (1:4 for 20cum). The following size rates will be considered:
1. Sand-Rs.500/cubic metre
2. Cement- Rs.400/bag
3. Standard bricks-Rs.40,000 onroad for a ten thousand brick
4. Mortar mixing-Rs.50 per cum
5. Man mazdoor-Rs.450 per day
6. Bhisti-Rs.350 per day

11. State and explain various types of contracts for execution of works in government department.   K5 CO5 (8)