

Paper / Subject Code: 42072 / Quantity Survey Estimation and Valuation BECIVIL Sem - VII C'Scher Define Specification. State the different purposes served by specification. Write brief Q3 (a) specification of First class brick work in Superstructure with CM 1:4. Estimate the quantity of earthwork for a portion of a road to be constructed by Mean Depth (b) Method from the following data. Formation width = 12 m. Side slope in banking = 2:1, and in cutting 1.5:1Downward gradient 1 in 200 RL of Formation level at zero chainage is 51.4 m. Chainage and corresponding ground levels are given below. 60 Chainage 1 30 90 120 150 180 RL of 50.8 50.6 50.7 51.2 51.4 51.3 51 GL A (G+2) building has a carpet area of 800 sqm. The area occupied by corridor, staircase etc Q4 (a) is 25% and the area occupied by walls, column is 10%. Consider water supply @7.5%, Electrification @8.5% and contingency @4% cost of construction. Prepare an Approximate Estimate considering the cost of construction is Rs 10000 per m2 i) Draft a tender notice for the construction of 4 lane bituminous road of 25 km long in 5 Palghar Region. Estimated cost is 25 crores and time of completion is 7 months. ii) Explain Earnest Money Deposit and Security Deposit 5 Q5 Analysis and workout the Rates for the following items of construction 12 i) UCR Masonry in CM 1:6 in foundation and plinth. ii) 12 mm thick plastering to internal wall surface with two coats in CM 1:4 A newly constructed building cost Rs 1 crore on a plot of valuation of 80 lakhs. 10 flats of 8 100 m² each are constructed. Determine the monthly rent per flat from the following data. Net return on land and Building @ 7% ii) Life of building is 50 years iii) Interest rate on Sinking Fund is 6% Salvage value @ 10% of building cost Repairs and Maintenance @ 3% of building cost vi) Municipal taxes and other outgoings 20% of Gross rent. Attempt any FOUR of the following: 20 a) Explain the terms Administrative approval and Technical sanction for any PWD b) Explain item rate contract with respect to the following points Nature of agreement, Mode of payment to contractor, Suitability and Disadvantages Briefly explain the importance and state various purposes of approximate estimate Easement Rights Freehold Property and Leasehold Property Valid, Void and Voidable Contracts Page 2 of 2 9AC9C7641A35D8F0396AE4D5E27637AD