



SHREEYASH PRATISHTHAN'S
Shreeyash Technical Campus
**SHREEYASH COLLEGE OF ENGINEERING AND
TECHNOLOGY (POLYTECHNIC), AURANGABAD**



Assignment No. 02

Program Name:- Civil Engineering	Total Marks 20
Program Code :- CE	
Semester:- Fifth	
Course Title:- Estimation and Costing	
Course Code :- 22503	
Assignment Topic Name :- Approximate Estimates	

CO's Correlation	Question No.	Questions	Marks Distribution
CO2	1	Define the approximate estimate.	2
	2	State the purpose of approximate estimate.	2
	3	State service unit for i) Reservoir ii) Hotel iii) School iv) Stadium	4
	4	Prepare approximate estimate of a residential building having following data: i) Plinth area - 70 sqm. ii) Plinth area rate - 3000/- sqm. iii) Electrification charges - 8% of cost of building iv) Water supply and sanitary installation - 5% of cost of building v) Contingencies - 3% of cost of building vi) Supervision charges - 2% of overall cost of building	4
	5	Prepare approximation estimate of a factory building from following data. i) Office premises, R.C.C framed type total area = 120 sq. m. built up ii) workshop - 3 bays of size 4m x 8m with load bearing walls and A.C sheet roof iii) Plinth area rates for R.C.C building = 6500 Rs/sq. m. Load bearing building = 4000 Rs/sq. m.	4
	6	Prepare approximate estimate for public building from given data, i) Plinth area = 2200 sq.m. ii) Plinth area rate = 3500 sq.m. iii) Electric installation charges = 8% of cost of building. iv) Water supply charges = 3% of cost of building. v) Contingencies= 2% of overall cost of building. vi) Engineer supervision charges = 4% of overall cost of building.	4


Course Coordinator
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