

Specimen of lesson Plan

Name of the Faculty Ms. Sonia Saini
Discipline CIVIL ENGG.
Semester 6TH
Subject QUANTITY SURVEYING AND VALUATION
Lesson Plan Duration 15 weeks(from January, 2018 to April,2018)

Week	Lecture Day	Theory Topic (including assignment/test)
1st	1st	Introduction to quantity surveying and its importance.
	2nd	Duties of quantity surveyor
	3rd	Types of estimates:- Preliminary estimates, Plinth area estimat, Cubic rate estimate
	4th	Detailed estimate, Definition, Stages of preparation
	5th	Revision
2nd	6th	Details of measurement and calculation of quantities and abstract
	7th	Measurement:- Units of measurement for various items of work as per BIS:1200
	8th	Rules for measurements
	9th	Different methods of taking out quantities – centre line method and long wall and short wall method
	10th	Revision
3rd	11th	Preparation of Detailed and Abstract Estimates from Drawings for:A small residential building with a flat roof and pitched roof building comprisin
	12th	Two rooms with W.C., bath, kitchen and veranda
	13th	Earthwork for unlined channel
	14th	WBM road and pre-mix carpetin
	15th	Revision
4th	16th	Single span RCC slab culvert
	17th	Earthwork for plain and hill roads
	18th	RCC work in beams, slab, column and lintel, foundation
	19th	users septic tank - 10 users, - 50 users
	20th	Revision/Assignment
5th	21st	Calculation of quantities of materials for:- Cement mortars of different proportion
	22nd	Cement concrete of different proportion

	23rd	Brick/stone masonry in cement morta
	24th	Brick/stone masonry in cement morta
	25th	Revision
6th	26th	Plastering and pointing
	27th	White washing, paintin
	28th	R.C.C. work in slab, beams
	29th	R.C.C. work in slab, beams
	30th	Revision
7th	31st	Analysis of Rates:- Steps involved in the analysis of rates. Requirement of material,
	32nd	labour, sundries,
	33rd	contractor's profit and overheads
	34th	contractor's profit and overheads
	35th	Revision
8th	36th	Analysis of rates for finished items when data regarding labour, rates of material and labour is given:
	37th	Earthwork in excavation in hard/ordinary soil and filling with a concept of lead and lif
	38th	RCC in roof slab/beam/lintels/columns
	39th	RCC in roof slab/beam/lintels/columns
	40th	Revision
9th	41st	Brick masonry in cement mortar
	42nd	Cement Plaste
	43rd	White washing, painting
	44th	Stone masonry in cement mortar
	45th	Revision
10th	46th	Running and maintenance cost of construction equipment
	47th	Running and maintenance cost of construction equipment
	48th	Contractorship:- Meaning of contract
	49th	Qualities of a good contractor and their qualifications
	50th	Revision
11th	51st	Essentials of a contract
	52nd	Types of contracts, their advantages, dis-advantages
	53rd	Types of contracts, their advantages, dis-advantages
	54th	Suitability, system of payment
	55th	Revision
12th	56th	Single and two cover-bids; tender, tender forms and documents,
	57th	Tender notice, submission of tender and deposit of earnest money
	58th	security deposit, retention money, maintenance period
	59th	Classification and types of contracting firms/construction companies
	60th	Revision/Assignment

13th	61st	Preparation of Tender Document based on Common Schedule Rates (CSR):- Introduction to CSR and calculation of cost based on premium on CSR
	62nd	Exercises on writing detailed specifications of different types of building works from excavation to foundations, superstructure and finishing operation
	63rd	Exercises on preparing tender documents for the following:-Earth work
	64th	Construction of a small house as per given drawing
	65th	RCC works
14th	66th	Pointing, plastering and flooring, White-washing, distempering and painting
	67th	Wood work including polishing , Sanitary and water supply installations
	68th	False ceiling, aluminum (glazed) partitioning
	69th	Tile flooring including base course, Construction of W.B.M/Concrete road
	70th	Exercises on preparation of comparative statements for item rate contrac
15th	71st	Valuation:-Purpose of valuation, principles of valuation
	72nd	Definition of various terms related to valuation like depreciation, sinking fund, salvage and scrap value, market value, fair rent, year's purchase etc
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	74th	Methods of valuation (i) replacement cost method (ii) rental return
	75th	Revision/Assignment