

MR. ABHILASH MUKHERJEE  
 CIVIL ENGG.  
 6TH  
 QS  
 FROM JAN, 2018 to APRIL, 2018  
 5 Lecture/week

THEORY	
Topic	Assignment/Test
Introduction to quantity surveying and its importance	
Duties of quantity surveyor	
Preliminary estimates :- Plinth area estimate, Cubic rate estimate	
Estimate per unit base, Definition of Detailed estimates	
Stages of preparation – details of measurement and calculation of quantities and abstract	
Units of measurement for various items of work as per BIS:1200	
Rules for measurements	
Different methods of taking out quantities – centre line method and long wall and short wall method	
A small residential building with a flat roof and pitched roof building comprising of Two rooms with W.C.	
A small residential building with a flat roof and pitched roof building comprising of Two rooms with W.C.	
A small residential building with a flat roof and pitched roof building comprising of Two rooms with bath	
A small residential building with a flat roof and pitched roof building comprising of Two rooms with bath	
A small residential building with a flat roof and pitched roof building comprising of Two rooms with kitchen and verandah	
A small residential building with a flat roof and pitched roof building comprising of Two rooms with kitchen and verandah	
Earthwork for unlined channel	
Earthwork for unlined channel	
WBM road and pre-mix carpeting	
WBM road and pre-mix carpeting	
Single span RCC slab culvert	
Single span RCC slab culvert	
Single span RCC slab culvert	
Earthwork for plain and hill roads	
Earthwork for plain and hill roads	
Earthwork for plain and hill roads	
RCC work in beams	
RCC work in beams	
RCC work in beams	
RCC work in slab	
RCC work in slab	
RCC work in slab	
RCC work in column and lintel	
RCC work in column and lintel	
RCC work in column and lintel	
RCC work in foundations	
RCC work in foundations	
RCC work in foundations	
users septic tank - 10 users	
users septic tank - 10 users	
Cement mortars of different proportion	
Cement mortars of different proportion	
Cement concrete of different proportion	
Cement concrete of different proportion	
Brick/stone masonry in cement mortar	
Plastering and pointing	
White washing, painting	
R.C.C. work in slab, beams	
Steps involved in the analysis of rates	
Requirement of material, labour, sundries	
contractor's profit and overheads	
Earthwork in excavation in hard/ordinary soil and filling with a concept of lead and lift	
RCC in roof slab/beam/lintels/columns	
Brick masonry in cement mortar	
Cement Plaster	
White washing, painting	
Stone masonry in cement mortar	
Running and maintenance cost of construction equipment	
Meaning of contract, Qualities of a good contractor and their qualification	
Essentials of a contract, Types of contracts, their advantages, dis-advantages and suitability	
system of payment, Single and two cover-bids; tender	
tender forms and documents, tender notice, submission of tender and deposit of earnest money	
security deposit, retention money, maintenance period	
Classification and types of contracting firms/construction companies	
Introduction to CSR and calculation of cost based on premium on CSR	
Exercises on writing detailed specifications of different types of building works from excavation to foundations	
superstructure and finishing operation, Earth work	

Construction of a small house as per given drawing
RCC works, Pointing, plastering and flooring
White-washing, distempering and painting
Wood work including polishing
Sanitary and water supply installations
False ceiling, aluminum (glazed) partitioning
False ceiling, aluminum (glazed) partitioning
Tile flooring including base course
Construction of W.B.M/Concrete road
Exercises on preparation of comparative statements for item rate contract
Exercises on preparation of comparative statements for item rate contract
Purpose of valuation, principles of valuation
Definition of various terms related to valuation like depreciation, sinking fund salvage and scrap value, market value, fair rent, year's purchase etc
Methods of valuation (i) replacement cost method (ii) rental return method