QUANTITY SURVEY

1. PROCEDURE OF ESTIMATION
   Introduction, metric system and primary units, International system of units, Methods of estimation, Main items of work, Deduction of opening etc. R.C.C and R.B work, flooring and roofing, plastering and pointing, pillars, doors and windows, wood work, iron work, white washing, colour washing, distempering, painting, lumpsum items, rates, reducing calculation, degree of accuracy.

2. METHOD OF BUILDING ESTIMATES

3. ESTIMATE OF BUILDINGS
   Estimate of building and colony, Utilisation of space, planning and layout of residential colony.

4. RCC WORKS AND STRUCTURES

5. SANITARY AND WATER SUPPLY WORKS
   Sanitary works, soak pit, septic tank, water supply pipe line.

6. ANALYSIS OF RATES
   Labour required for different works, materials for cement concrete preparing analysis of rates, excavation rates.

7. SPECIFICATIONS
   General specifications of 1st class, 2nd class, 3rd class and 4th class materials.

8. RULES AND METHODS OF MEASUREMENT
   General rules, Earth work, concrete, brick work, stone masonry, carpenter work, steel and iron work, roof covering, ceiling, floor, plastering, white washing, colour washing, painting, sanitary and water supply works.

9. VALUATION
   Valuation, gross income, net income, outgoings, scrap value, salvage value, Obsolescence, annuity, capitalized value, years purchase, sinking fund, Depreciation, Valuation of building, method of valuation, life of various items of work, mortgage lease, fixation of rent.

10. PLANNING OF BUILDING AND COLONY
    Principle of house planning region wise, ventilation, Economy in construction, Design of building, Area of cubic space for different type of buildings, Planning of residential buildings, Sizes of room, Floor area of rooms and heights, Arrangements of rooms, position and purpose. Height of rooms, height of buildings, thickness of wall, residential accommodation for various classes of employees. Utilisation of space, planning and layout of residential colony.

11. SCHEDULE OF RATES METRIC AND F.P. SYSTEM
    Schedule of rates earthwork, concrete, damp proof course, brick work, stone work, wood work, mild steel, iron work, roof work, ceiling, plastering and pointing, flooring, painting, varnishing and distempering, white and colour washing, well work, road work, annual repair work, transport, material rates.