

AMCE23 QUANTITY SURVEYING, CONTRACT & TENDERS

UNIT-1 ESTIMATING

- 1.1 Introduction, Definition, Data Required for Preparation of an estimate, Types of Estimates, Items of Work, Description of an Item of Work,
- 1.2 Measurement of Works, Guidelines for Measurements, I.S. mode or Units of Measurements, Plinth Area, Floor Area, Carpet and F.S.I.

UNIT-2 APPROXIMATE ESTIMATES

- 2.1 Definition, Purpose of Necessity, General Principle of Preparing Approximate Estimates, Methods of Preparing Approximate Estimates

UNIT-3 TAKING OUT QUANTITIES

- 3.1 Definition, General procedure of measurement of works, Methods of taking out Quantities, Comparison of English and P.W.D. method,
- 3.2 Various items of works, Prime Costs (P.C.) and Provisional Sums (P.S.), Provisional Quantities, Spot Items, Contingencies, Work-charged Establishment,
- 3.3 Centage Charges, Building Estimate Methods, Checks over the Accuracy of Detailed Estimates, Relation between Cost of various Items with respect to Total Cost of Building,
- 3.4 Some typical estimates of Works, Schedule of Rates for Common Items of works in Building construction

UNIT-4 ANALYSIS OF RATES (OR PRICES)

- 4.1 Purpose of Analysis of Rates, Factors Affecting Rate analysis, Task Work, Table showing the Task Work, Table showing Materials Required for Different Items of Works,
- 4.2 Labour Requirements for different Items of Works, Computations of Quantities of Materials required for Various Items of Works, Increase in Rates or Prices for Additional Floors,
- 4.3 Water Charges, Requirements of Cement bags for various items of works, Approximate Rates of Materials of Construction, Approximate Rates of Equipment/Machinery required for works,
- 4.4 Transportation of Materials and cost, Rates specified for various categories of Laborers in Building Industry,
- 4.5 Analysis of Rates of Principles of Items of Work in the Building Construction

UNIT-5 SPECIFICATIONS

- 5.1 Definition of Specifications, Purpose of Specifications, Types of Specifications, Classification of Specifications According to Purpose, Requirements of Good Specifications,
- 5.2 Detailed Specifications, Standard Specifications, Detailed Specifications for Common Items of Building Work

UNIT-6 VALUATION OF PROPERTY

- 6.1 Cost Price and Value, Purpose (or Object) of Valuation,
- 6.2 Factors affecting Valuation of a Property, Different Nomenclatures for the Value, Year Purchases (Y.P.),

- 6.3 Sinking Fund and Sinking Fund Installment, Valuation Tables, Annuity, Ownership of the Property, Returns from the Property,
- 6.4 Depreciation and Methods of Computations of Depreciation, Mortgage, Easement, Methods of Valuation Property, Fixation of Rent of a Property,
- 6.5 Reversionary Value of Land (or Land on Reversion), Illustrative Problems, Valuation of a (Building) Property

UNIT-7 CONTRACTS AND TENDERS

- 7.1 Methods of Executing Works, Tenders, Contracts

Reference Books:

1. Quantity surveying, contracts and tenders by G.B. Deshpande (Author), j. P. Nayak (author)
2. Estimating and costing (17501) [print replica] by Mukesh N. Gangrade (author)

