

AMBE21 SPECIFICATION AND ESTIMATION

UNIT-1 SPECIFICATION

- 1.1 Necessity of specification, importance of specification,
- 1.2 How to write specification,
- 1.3 Types of Specification,
- 1.4 Principles of Specification writing,
- 1.5 Important aspects of the design of specification- sources of information
- 1.6 Classification of Specification.

UNIT-2 SPECIFICATION WRITING

- 2.1 Brief Specification for 1st class, 2nd class, 3rd class building.
- 2.2 Detailed specification for earthwork excavation, plain cement concrete,
- 2.3 Reinforced concrete, first class and second class brickwork,
- 2.4 Damp proof course, ceramic tiles/marble flooring and dadoo, woodwork for doors, windows frames and shutters, cement plastering, painting & weathering course in terrace.

UNIT-3 ESTIMATION

- 3.1 Types & purpose, Approximate estimate of buildings
- 3.2 Bill of quality, factors to be considered,
- 3.3 Principles of measurement and billing, contingencies, measurement of basic materials like brick, wood, concrete and unit of measurement for various items of work
- 3.4 Abstract of an estimate.

UNIT-4 DETAILED ESTIMATE

- 4.1 Deriving detailed quantity estimates for various items of work of a building.
- 4.2 Like earthwork excavation, brick work, plain cement concrete,
- 4.3 Reinforced cement concrete works, wood work, iron works, plastering, painting, flooring, weathering course for a single storied building.

UNIT-5 CURRENT TRENDS

- 5.1 Methods of contracting and its link to specification drafting
- 5.2 The Business Environment and the structure in practice.
- 5.3 Valuation, depreciation and its implications

References Books:

1. T.N. Building practice, Vol:1 Civil Govt Publication.
2. PWD Standard Specifications. Govt Publication, 2012.