

HONOUR SUBJECT

PCI5D002 QUANTITY SURVEYING AND ESTIMATING (4-0-0)

Module – I

Quality estimation:

Principles of estimation, methods and units, Estimation of materials in buildings, Culverts and bridges.

Module II

Principles of general and detailed specification for various types building works.

Analysis of rates, description, Prime cost, Schedule rates, Analysis of rates for various types of works.

Estimate of R.C.C and Steel works, Scheduling, Slab, beam, column

Module – III

Estimation of Road – earthwork fully in banking, cutting, partly cutting & partly filling. Detailed estimate for WBM, Bituminous road.

Valuation, rent fixation, tenders, contracts, accounting procedure, measurement book, stores, cost & quality control ,PWD & CPWD practice, Software Applications for Estimation of Buildings.

Module – III

Network techniques, Introduction to CPM/ PERT methods and their use in project planning construction schedules for jobs, materials equipments, labour and finance.

Reference Books:

1. Estimating and Costing in Civil Engineering Theory & Practice, B.N. Dutta, UBS Publishers
2. PERT and CPM, L.S. Sreenath, East West Press
3. Civil engineering contracts and estimates by B.S. Patil, University Press.