

## THIRD YEAR – FIFTH SEMESTER

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<b>AC 506</b>	<b>QUANTITY AND SPECIFICATIONS</b>	<b>(L=2,S=2,W=0)</b>	<b>CREDITS =03</b>
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**INTERNAL ASSESSMENT(TERMWORK) = 50**  
**UNIVERSITY EXAMINATION = 50**

**CONTACT HRS/WK = 04**

**Focus:** Understanding Quantity Surveying & Estimate preparation.

**Contents: Specification :** Specification of different building items - general specification and detailed specification.

**Rate Analysis:** Meaning, Importance, Purpose and use, factors affecting rate analysis.

Rate analysis of major items of building work. Factors affecting, cost of work task work general information regarding S.O.R.

**Estimates :** Method of computing quantities, mode of measurement of all items of work, units of measurement IS 1200.

Estimates of different items of work:-

\* Compound wall.

\* Small residential building 1 room with verandah.

\* Small residential building with 2 room kitchen with Bath W.C.

\* Two storied residential building.

\* R.C.C. work column, flooring, Beam - T Beam, Slab - One way/Two way. Slab including centering, shuttering & reinforcement.

\* Steel truss.

Material requirement for above items including Brick work – R.C.C. - Wooden items - doors, windows, Glass.

Measurement Book its entry checking and preparation of Bill etc. standard M.B.

**Term Work :** Over and above the mentioned items, Estimate of Septic Tank, Soak Pit, Sanitary item – Plumbing, Electrification. Rate analysis of all major item to be prepared.

### REFERENCES:

<b>SR.NO.</b>	<b>TITLE</b>	<b>AUTHOR</b>
01.	Estimation & Valuation	B.N.Dutta
02.	Estimation & Valuation	Rangwala
03.	Estimation & Valuation	Chakravarti
04.	Quantity Surveying	Rangwala