

**CORE COURSE – XII - QUALITY AND COST CONTROL**

**Unit – I – Basics of Quality Control**

Definition and Scope of Quality Control – Establishing Merchandising Standards – Establishing Raw Material Quality Control specifications – Quality Control of Raw Material.

**Unit – II – Quality Control System**

Establishing Processing quality specification – Training Quality Control Personnel – The Quality Standard Control – Quality Control Inspection, Procedures for processing – Quality control of finished garments – Quality control and Government contacts – Quality Control for Packaging, Warehousing and shipping – Statistical Quality Control, Sampling plans – industry – wide quality standards.

**Unit – III – Basics of Production control**

Function of Production control – Production, Analysis – Quality Specifications – Quantitative specifications – Scope of Apparel Manufacturing Activity – Co-ordinating Departmental Activities – Distribution of Documents and Records.

**Unit – IV – Production Control System**

Type of Control forms – Basic Production Systems – Principles for Choosing a Production System – Evaluating Production Systems – Flow Process Grids and Charts – Basic Flow Process Grid Construction – Flow Process Grids for Production control – Scheduling Calculation; Graph Methods. Scheduling Bundles of Varying Amounts. Mathematical formulas for scheduling – Producing Many Styles Simultaneously – Producing Many styles consecutively in one line.

**Unit – V – Cost Control**

Function of Cost Control: Types of Costs and Expenses – Apparel Manufacturing Cost Categories – Sales Cost Control – Purchasing Cost Control – Production Cost Control – Administration cost control – Cost Ration Policies – the manufacturing Budget – Cash flow Control – Standard Cost Sheet, Break-Even Charts.

**Reference**

1. Patty Brown, Janett Rice,-Ready to wear apparel analysis,Prentice Hall,1998.
2. Salinger, Jacob Apparel, “Manufacturing Analylsis”, New York, Textile Books Futs, 2001