

CORE COURSE - III (CC)
APPAREL STANDARDS AND QUALITY CONTROL

UNIT I

Introduction to Quality standards – importance – benefits - levels & sources of quality standards - British standards & ISO standards for the apparel industry – ISO 9000 & 14000 standards & SA 8000 - Total Quality Management systems. Quality – Introduction – definition & importance – quality inspection – raw material – product – online – final inspection

UNIT II

Garment defects: Cutting defects - Sewing defects - assembly defects – Pressing -Finishing & Packaging defects. Concepts of TQM - tools used for quality assurance - Care labels - International care labelling system – Japan –Canada -British care labelling systems.

UNIT III

Starting a quality control program, implementation of quality system in production line – Product specification & analysis using analytical tools - Quality management through inspection & Seven quality tools.

UNIT IV

Testing Standards and Specifications fibre length, maturity, yarn strength-yarn count, Bursting strength, Abrasion, Pilling, Drapemeter, Crease recovery and stiffness.

UNIT V

Accessories testing -Inspecting garments using spec sheets - Inspecting garments using measuring tapes - without using measuring tapes - Button quality testing - Interlining quality testing - Packing a shirt and identifying faults.

Quality costs & customer returns - Inspection procedures - AQL & apparel quality controls.

References:

1. Pradeep V Mehta, Managing Quality in Apparel Industry, NIFT publishers.2000
2. Mehta P V, An Introduction to quality control for the apparel industry, Marcel Dekker.2001
3. Slater K, Physical Testing & Quality Control, Vol 23, No.1/2/3, Textile Inst. 1993.
4. John H Skinkle, Textile Testing, Brooklyn pub. NY.2003
5. Sara J Kadolph, Quality Assurance for textiles & apparels, Fairchild pub, 1998.
6. Ruth Clock 7 Grace Kunz, Apparel Manufacture – Sewn Product Analysis, Upper Sadale River pub., NY, 2000.