

Sem	Course Code	CORE PAPER-IV APPAREL QUALITY STANDARD AND IMPLEMENTATION	Total Marks : 100		Hours Per Week	Credits
			CIA : 25	ESE : 75	5	4
II	17PBGCT202					

### OBJECTIVES

- To impart basic knowledge about quality
- To focus on inspection systems
- To educate about the importance of eco friendly textiles

### UNIT- I

Introduction to quality standards, importance, benefits, levels and sources of quality, standards, ISO Standards for the Apparel Industry- ISO 9000 and 14000 standards - Total quality Management system, OEKO Tex 100 standards.

### UNIT- II

Sensitizing dye stuffs - allergic dyes - carcinogenic amines - Eco management in textiles and apparel industries, Eco mark, Eco labeling and Environment friendly textiles. Garment defects.- cutting defects, sewing defects, assembling defects, pressing, finishing and packaging defects ..

### UNIT- III

Eco specification and restrictions in apparel and textile industries- dry cleaning using ozone depleting chemicals, formaldehyde contents, heavy metal contents, Pesticides and herbicides, azo dye stuffs, Nickel contents. Pentachlorol phenols, brighteners and softening Agents.

### UNIT- IV

Starting a quality control program, implementation of quality systems in production line, product specifications and analysis using analytical tools. Quality management through Inspection, Testing and seven quality tools

### UNIT- V

Quality costs and customer returns; Inspection procedures, Acceptable Quality Level and quality control. Care labeling of apparel and textiles

### TEXT BOOK

Managing quality in apparel industry, Pradeep V Mehta, NIFT Publications, New Delhi (1998)

**BOOKS FOR REFERENCE:**

1. . Textile Testing, P. Angappan & Gopala Krishnan, SSM Institute of Textile Technology, JK. Publications, Komarapalayam (2002).
2. Modern Technology of Textile Dyes & Pigments, H.Panda, NII publication, Delhi (1999).
3. An Introduction to quality control for the apparel industry, Mehta P V, Marcel Dekker, J.S.N International, Cornell University, New York (1985)

<b>QUESTION PAPER PATTERN</b>		
<b>Section A</b>	<b>Section B</b>	<b>Section C</b>
10 x 1 = 10 Marks (Multiple choice, Four options) Two questions from each unit	5 x 7 = 35 Marks (Either or choice) Two questions from each unit	3 x 10 = 30 Marks Answer any three Questions One Question from each unit