

**COURSE FOCUSING ON ENVIRONMENT AND SUSTAINABILITY**

*M.Sc. Costume Design and Fashion (2021 – 2022 and onwards)*

Sem	Course code	CORE IV APPAREL QUALITY STANDARDS AND IMPLEMENTATION	Total Marks:100		Hours Per Week	Credits
			CIA : 50	ESE :50	5	4
II	21PBGCT202					

**Course Objectives:**

1. To impart basic knowledge about quality
2. To focus on inspection systems
3. To educate about the importance of eco friendly textiles

**Course Outcomes (CO): On completion of the course, students should be able to**

CO 1	Analyze the importance and benefits of quality standards	K1 – K6
CO 2	Identify various eco labels adopted in textiles	
CO 3	Explain the inspection procedures carried out in apparel industry	
CO 4	Examine the analytical tools in quality control	
CO 5	Develop knowledge on apparel labeling information	

**K1 : Remember; K2 :Understand; K3 : Apply; K4 : Analyze; K5 : Evaluate; K6 : Create**

**Unit –I :**

**Quality standards**

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- concepts- principles of TQM , OEKO Tex 100 standards.

**Unit – II :**

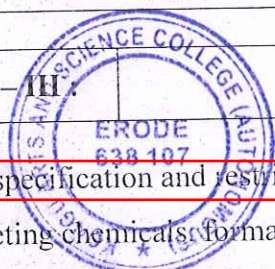
**Eco textiles**

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 specifications in apparels**

**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. Pentachloro phenols, brighteners and softening Agents.




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<b>Unit – IV :</b>	<b>Quality control</b>
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.	
<b>Unit – V :</b>	<b>Inspection and apparel labeling</b>
Quality costs and customer returns; Inspection procedures, Acceptable Quality Level and quality control. Government regulation and labeling- communication to consumers- Regulation on Apparel labeling, apparel safety, apparel industry business practice and voluntary label information.	
<b>TEXT BOOK</b>	
1	Managing Quality in Apparel Industry, Pradeep V Mehta, NIFT Publications, New Delhi (1998).

<b>REFERENCE BOOKS</b>		
1	Textile Testing, P. Angappan and Gopala Krishnan, SSM Institute of Textile Technology, JK. Publications, Komarapalayam (2002).	
2	Modern Technology of Textile Dyes and 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>Web Resources</b>		
1	<a href="https://www.fibre2fashion.com/industry-article/5388/creating-a-global-vision-for-sustainable-textiles">https://www.fibre2fashion.com/industry-article/5388/creating-a-global-vision-for-sustainable-textiles</a>	
2	<a href="https://www.fibre2fashion.com/industry-article/3731/various-methods-of-inspection-systems-for-apparels">https://www.fibre2fashion.com/industry-article/3731/various-methods-of-inspection-systems-for-apparels</a>	
Course Designed By	Verified By	Approved By HOD
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QUESTION PAPER PATTERN		
SECTION – A	SECTION – B	SECTION – C
10 x 1 = 10 Marks (Multiple choice, Four options) Two questions from each unit	5 x 3 = 15 Marks (Either or choice) Two questions from each unit	5 x 5 = 25 Marks Question Number 16 to 19 (Either or choice) Question Number 20 is Compulsory (Case Study)

**Mapping of COs with POs and PSOs:**

PO/PSO CO	PO							PSO				
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	M	M	S	S	S	M	M	M	S	S
CO2	S	S	M	M	S	S	S	S	M	S	S	S
CO3	S	S	M	S	S	S	S	S	M	S	S	S
CO4	S	S	M	M	S	S	S	S	M	S	S	S
CO5	S	S	S	S	M	S	S	S	S	S	S	S

S-Strong, M-Medium, L-Low



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