Subject	Credits	Total hours	Marks				
			Th	Pr	Th	Pr	
Introduction to Textiles	**4**	**60**	**25**	**-**	**75**	**-**	**100**
Theory			Internal		External		Total

OBJECTIVES:
The learner will be able to-

1. Recognize specified fibers, yarns, weaves., knits types, preparatory process and finishing process..

2. Apply the textiles in apparel in respect with function and aesthetics . Show that textile forms the core of fashion that demands its appropriate application in technical and aesthetic form.

CONTENT:

Block No	Objective	Topic/Content Analysis	Assignments	Marks
1	To be able to recognize key attributes and application of specified textiles at different stages	The Textile Industry Fibers: classification, Introduction, properties and end uses of natural and man-made fibers - Yarns: Introduction**,** Types-ply yarns, novelty yarn, textured yarn. Manufacturing process- spinning systems **,**Properties- yarn twist, yarn numbering, yarn hairiness, yarn diameter and its application in apparel. Fabric forming methods Weaving, knitting, netting and non- woven' s and its application in apparel. Introduction to basic weaves: plain, twill and satin **,** Classification, introduction, advantages and disadvantages	Identification of Fibers by solubility, burning test. Identification of woven fabrics for fabric count, yarn count and weave and knitted fabric samples for its types. Representation of basic weaves (plain, twill and satin) on graph paper.	25

2	To be able to identify and differentiate fabrics between waft and warp weft knitted fabrics. .	Introduction to basic knits: warp and weft knitted **,** Classification, introduction, advantages and disadvantages. Comparison between knits and woven		25
3	To be able to select and apply right fabrics as an outcome of usage of specified preparatory process .	Types of Preparatory processes done on textiles for the dyeing and printing, Their effects, Advantages & Disadvantages: Singeing, DE sizing, scouring, souring, bleaching and mercerization Introduction and Classification of Dyes and its application in apparel.	Identification of fabrics for its preparatory processes and suggesting its application in apparel (25 samples).	25
4	To be able to select right fabrics for required coloration and prints in apparel. .	Printing: Introduction, Equipment, process, Advantages, disadvantages and end uses. Methods of printing: Direct, resist, discharge Styles of Printing: Block, stencil, screen, roller, transfer, flock, warp, yarn, resist (tie and dye and batik), duplex printing and its application in fashion.	Presentation of the report on Industrial visits. In specific with manufacture , coloration and prints	25

Evaluation pattern –
Internal Assessment: Class Assignments and Class test - To Be Converted In To 25
External Assessment: Final Exam - 75 Marks.

REFERENCE BOOKS:

1.   Cobman B. (1983), "*Textile from fibre to fabric"* 6[th]editionMc grew-hill international edition

2.   Collier B.J. &Tortora P. (2001), "*Understanding Textiles*", 6th edition Prentice-Hall,Inc.
3.   Eberle H., Hornberger M., Menzer D., Hermlin H., Kilgus G.R., Ring W. (2002) , "*Clothing Technology*", Europa Lehrimittal.
4.   Gioello D.A (1996). , "*Understanding Fabrics: from fiber to finished cloth",*Fairchild Publication, New York.
5.   Gupta S., Gard N. &Saini R. (2005), "*Text book of clothing textiles and laundry*", Kalyani Publishers, Ludhiana.
6.   Hallet C. and Jonston A. (2010), "*Fabric for fashion*", Laurence King Publishing.
7.   Humphries M. (2009), "*Fabric reference*", Pearson Prantice Hall.