

Fashion Design Department		
Session 2024-25 (2nd Semester)		
Subject: Textile Science		Load: 4
Week	Lectures	Topic
1	1	Introduction to textile raw materials – Fiber, Filament, Yarn,
	2	Introduction to textile raw materials- Textile and Garment.
	3	End use of Textiles -Clothtech, Sporttech, Geotech,
	4	End use of Textiles- Oekotech, Packtech, Mobiltech
2	5	End use of Textiles-Indutech, Med Tech, Hometech
	6	Textile Fiber & Yarns
	7	Primary Properties of Fiber – Length to Width Ratio,
	8	Primary Properties of Fiber – Tenacity, Flexibility,
3	9	Primary Properties of Fiber - cohesiveness, uniformity
	10	Secondary Properties of Fiber - Fiber morphology
	11	Secondary Properties of Fiber - Elongation and elastic recovery
	12	Secondary properties of Fiber -Resiliency
4	13	Secondary properties of Fiber-Moisture regain
	14	Secondary properties of Fiber -Flammability and other thermal reactions,
	15	Secondary properties of Fiber- electrical conductivity, Abrasion resistance,
	16	Revision
5	17	1 st Sessional
	18	1 st Sessional
	19	1 st Sessional
	20	1 st Sessional
6	21	Classification of Fibers based on origin – Natural & Manmade Fibers
	22	Spinning –Spinning methods, Yarn Properties
	23	Yarn Types - Ply Yarn, Cable yarn, double yarn and novelty yarns
	24	UNIT III Weaving, Knitting & Non-Woven
7	25	Weaving Process, Loom-Parts of a Basic Loom ,Basic Weaving operation
	26	Parts of a fabric Warp, Weft, Grain, Bias and Selvedge
	27	Basic Weaves – Plain Weave, Basket Weave, Rib, Twill, Satin and Sateen.
	28	Knitting Process,. Types of Knitting Machines; Circular and Flat Machines.
8	29	General Knitting Terms, KNIT STITCHES
	30	Differences between Woven and Knitted Fabrics.
	31	Non-Woven Fabrics:
	32	Revision
9	33	2nd Sessional
	34	2nd Sessional
	35	2nd Sessional
	36	2nd Sessional
10	37	Dying & Printing-Dying- Introduction, Stages of Dying.
	38	Printing- Introduction,
	39	Methods of printing, Types of Printing
	40	Revision
11	41	Reinforcement of concepts
	42	Reinforcement of concepts
	43	Reinforcement of concepts
	44	Reinforcement of concepts
12	45	UNIT V Finishing Processes -Sizing, Desizing, Scouring, Bleaching,
	46	Finishing Processes -Mercerization,Singeing,
	47	Beetling, Tentering, Calandering.
	48	Reinforcement of concepts
13	49	Reinforcement of concepts
	50	previous question paper discussion
	51	previous question paper discussion
	52	previous question paper discussion
14	53	3rd Sessional
	54	3rd Sessional
	55	3rd Sessional

	56	3rd Sessional
15	57	Reinforcement of concepts
	58	Reinforcement of concepts
	59	previous question paper discussion
	60	previous question paper discussion
Subject Incharge: Cheena		HOD FD : Sonia