

## LESSON PLAN

Name of Faculty : Rajesh kalra

Discipline : Textile processing

Semester : 3 rd

Subject : textile auxiliaries and chemical

Lesson plan duration : 15 weeks

Work load (lecture / practical) per week (in hours):Th = 3 per week/pr=one(of three periods)

WEEK	THEORY	
	Lecture day	TOPIC (INCLUDING ASSIGNMENT/TEST)
1 <sup>st</sup>	1	Definition and advantages of textile auxiliaries
	2	Definition and advantages of textile auxiliaries
	3	Selection of textile auxiliaries
2 <sup>nd</sup>	4	Selection of textile auxiliaries
	5	Classification of textile auxiliaries
	6	Study of various auxiliaries used in spinning
3 <sup>rd</sup>	7	Study of various auxiliaries used in sizing , desizing
	8	Study of various auxiliaries used in scouring
	9	Study of various auxiliaries used in bleaching
4 <sup>th</sup>	10	Study of various auxiliaries used in bleaching
	11	test
	12	test
5 <sup>th</sup>	13	Study of various auxiliaries used in mercerizing
	14	Study of various auxiliaries used in mercerizing
	15	Wetting agent

WEEK	THEORY	
	Lecture day	TOPIC (INCLUDING ASSIGNMENT/TEST)
6 <sup>st</sup>	16	Dispersing agent , leveling agent
	17	Sequestering agent , antifoaming agent
	18	Carriers , migration inhibitors
7 <sup>nd</sup>	19	Dye fixing agent
	20	After washing agent , stripping agent
	21	Printing surface active agent
8 <sup>rd</sup>	22	Test
	23	Role of surface active agent
	24	Essential requirement of surfactants
9 <sup>th</sup>	25	Classification of surface active agent
	26	Anionic surface active agent
	27	Cationic surface active agent
10 <sup>th</sup>	28	Non ionic surface active agent
	29	Stiffening agent
	30	Water repellent

WEEK	THEORY	
	Lecture day	TOPIC (INCLUDING ASSIGNMENT/TEST)
11 <sup>st</sup>	31	Water repellents
	32	Cross linking agent
	33	Cross linking agent
12 <sup>nd</sup>	34	Fire retarding agent
	35	Test
	36	Fire retarding agent
13 <sup>rd</sup>	37	Moth proofing
	38	Optical brightening agent
	39	Optical brightening agent
14 <sup>th</sup>	40	softeners
	41	softeners
	42	Anti static agent
15 <sup>th</sup>	43	Anti pilling agent
	44	Soil release agent
	45	Soil release agent