

RAJASTHAN TECHNICAL UNIVERSITY, KOTA
B. Tech. Scheme

Course	Textile Chemistry				Code	TC		
SEMESTER III		Hrs. / Week			IA	Exam	Total	
Subject Code	Title	L	T	P				
3TC1A	Textile Fibers	3			20	80	100	
3TC2A	Principles of Textile Manufacturing -I	3			20	80	100	
3TC3A	Physical Chemistry	3			20	80	100	
3TC4A	Introduction to wet processing	3			20	80	100	
3TC5A	Object Oriented Programming	3			20	80	100	
3TC6A	Advanced Engg. Mathematics-I	3			20	80	100	
3TC7A	Textile Fiber Identification & Analysis Practical			4	60	40	100	
3TC8A	Principles of Textile Manufacturing Practical – I			4	60	40	100	
3TC9A	Introduction to Wet Processing Lab			4	60	40	100	
3TC10A	Object Oriented Programming Lab			2	30	20	50	
					0	0		
3TCDC	Discipline & Extra Curricular Activity							50
	Total	18	0	14			1000	

SEMESTER IV		Hrs. / Week			IA	Exam	Total	
Subject Code	Title	L	T	P				
4TC1A	Principles of Textile Manufacturing – II	3			20	80	100	
4TC2A	Analytical chemistry	3			20	80	100	
4TC3A	Theory of Dyeing	3			20	80	100	
4TC4A	Fabric Prepration	3			20	80	100	
4TC5A	Polymers and Extrusion	3			20	80	100	
4TC6A	Application of Electronics and Microprocessor in Textile Machines	3			20	80	100	
4TC7A	Principles of Textile Manufacturing Practical – II			4	60	40	100	
4TC8A	Analytical Chemistry Lab			4	60	40	100	
4TC9A	Experimental Process Lab -I			4	60	40	100	
4TC10A	Application of Electronics and Microprocessor in Textile Machines Practical			2	30	20	50	
					0	0		
4TCDC	Discipline & Extra Curricular Activity							50
	Total	18	0	14			1000	

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SEMESTER V Subject Code	Title	Hrs. / Week			IA	Exam	Total
		L	T	P			
5TC1A	Textile Chemical Analysis	3			20	80	100
5TC2A	Technology of Dyeing	3			20	80	100
5TC3A	Textile Testing – I	3			20	80	100
5TC4A	Structure and Properties of Fibers	3			20	80	100
5TC5A	Chemistry of High Polymers	3			20	80	100
5TC6.1A	Practical Application of Statistics	3			20	80	100
5TC6.2A	Finance, Material and Human Resource Management						
5TC6.3A							
5TC7A	Textile Chemical Analysis lab-I			4	60	40	100
5TC8A	Experimental process Lab – II			4	60	40	100
5TC9A	Textile Testing Practical – I			4	60	40	100
5TC10A	Professional Ethics & Disaster Management			2	30	20	50
					0	0	
5TCDC	Discipline & Extra Curricular Activity						50
	Total	18	0	14			1000

SEMESTER VI Subject Code	Title	Hrs. / Week			IA	Exam	Total
		L	T	P			
6TC1A	Technology of Textile Printing	3			20	80	100
6TC2A	Computer Color Matching	3			20	80	100
6TC3A	Textile Testing – II	3			20	80	100
6TC4A	Man made Fiber Production	3			20	80	100
6TC5A	Chemistry of Intermediate and Dyes	3			20	80	100
6TC6.1A	Knitting Technology	3			20	80	100
6TC6.2A	Unit Operations and Chemical Engineering						
6TC6.3A							
6TC7A	Textile Printing Lab – I			4	60	40	100
6TC8A	Computer Color Matching Lab			2	30	20	50
6TC9A	Textile Testing Practical – II			4	60	40	100
6TC10A	Color & Design Practical			2	30	20	50
6TC11A	Textile Chemical Analysis lab-II			2	30	20	50
6TCDC	Discipline & Extra Curricular Activity						50
	Total	18	0	14			1000

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SEMESTER VII Subject Code	Title	Hrs. / Week			IA	Exam	Total	
		L	T	P				
7TC1A	Dyeing of Synthetics and Blends	3			20	80	100	
7TC2A	Technology of Finishing	3			20	80	100	
7TC3A	Engineering of Textile Structures – I	3			20	80	100	
7TC4A	Energy Conservation in wet Processing	3			20	80	100	
7TC5A	Pollution Control and Process House Management	3			20	80	100	
7TC6.1A	Wet Processing Machines	3			20	80	100	
7TC6.2A	Wet Processing of Wool							
7TC6.3A								
7TC7A	Dyeing of Synthetic Fibers Lab	Practical laboratory courses			4	60	40	100
7TC8A	Textile Finishing Lab				4	60	40	100
						0	0	
						0	0	
7TCTR	Practical Training & Industrial visit				2			
7TCPR	Project - I	2			50		50	
7TCDC	Discipline & Extra Curricular Activity						50	
	Total	18	0	12			1000	

SEMESTER VIII Subject Code	Title	Hrs. / Week			IA	Exam	Total		
		L	T	P					
8TC1A	Textile Auxilliaries	3			20	80	100		
8TC2A	Advancement in Textile Finishing	3			20	80	100		
8TC3A	Engineering of Textile Structures - II	3			20	80	100		
8TC4.1A	Technical Textiles	3			20	80	100		
8TC4.2A	Apparel Industry and Garment Processing								
8TC4.3A									
8TC5A	Dyeing of Synthetic and Blends Practical	Practical laboratory courses			4	60	40	100	
8TC6A	Textile Printing Lab – II				4	60	40	100	
8TC7A	Advance Experiments in Dyeing				2				50
						0	0		
8TCPR	Project-II				2			120	80
8TCSM	Seminar	2			60	40	100		
8TCDC	Discipline & Extra Curricular Activity						50		
	Total	12	0	14			1000		