

BRANCH IV: DIPLOMA IN TEXTILE TECHNOLOGY

Course Code	Course Title	Hours/Week			Credits	Maximum Marks		
		Lecture	Tutorial	Practical		CA	FE	Total
SEMESTER 1								
THEORY								
X21101	ENGINEERING MATHEMATICS - I	4	1	-	5	25	75	100
X21102	PHYSICS	4	1	-	5	25	75	100
X21103	CHEMISTRY	4	-	-	4	25	75	100
X21104	ENGLISH	4	-	-	4	25	75	100
T21105	FIBRE SCIENCE	4	1	-	5	25	75	100
PRACTICALS								
X21151	PHYSICS LABORATORY	-	-	2	1	25	75	100
X21152	CHEMISTRY LABORATORY	-	-	2	1	25	75	100
T21153	BASICS OF COMPUTING AND INFORMATICS	-	-	3	1.5	25	75	100
T21154	INPLANT TRAINING	-	-	3	1.5	-	-	GRADE
X21155	PHYSICAL EDUCATION -I	-	-	2	1	-	-	GRADE
	TOTAL	20	3	12	29	200	600	800
SEMESTER 2								
THEORY								
X21201	ENGINEERING MATHEMATICS - II	4	1	-	5	25	75	100
X21202	CALCULUS AND ITS APPLICATIONS	4	1	-	5	25	75	100
T21203	PROPERTIES OF MATERIALS	4	-	-	4	25	75	100
T21204	APPLIED CHEMISTRY	4	-	-	4	25	75	100
T21205	BASIC ENGINEERING GRAPHICS	2	-	3	3.5	25	75	100
PRACTICALS								
T21251	PROPERTIES OF MATERIALS LABORATORY	-	-	2	1	25	75	100
T21252	APPLIED CHEMISTRY LABORATORY	-	-	2	1	25	75	100
T21253	FITTING, SHEET METAL & WIRING WORKSHOP	-	-	3	1.5	25	75	100
T21254	FIBRE ANALYSIS LABORATORY	1	-	2	2	25	75	100
X21255	PHYSICAL EDUCATION -II	-	-	2	1	-	-	GRADE
	TOTAL	19	2	14	28	225	675	900
SEMESTER 3								
THEORY								
T21301	PROBABILITY AND STATISTICS	4	1	-	5	25	75	100
T21302	SPINNING TECHNOLOGY -I	4	1	-	5	25	75	100
T21303	WEAVING TECHNOLOGY -I	4	1	-	5	25	75	100
T21304	TEXTILE TESTING	4	1	-	5	25	75	100
PRACTICALS								
T21351	SPINNING TECHNOLOGY LABORATORY	-	-	3	1.5	25	75	100
T21352	WEAVING TECHNOLOGY LABORATORY -I	-	-	3	1.5	25	75	100
T21353	TEXTILE TESTING LABORATORY -I	-	-	3	1.5	25	75	100
T21354	TEXTILE MACHINE DRAWING	-	-	3	1.5	25	75	100
T21355	COMMUNICATIVE ENGLISH LABORATORY	1	-	2	2	25	75	100
	TOTAL	17	4	14	28	225	675	900

Legend: **CA**–Continuous Assessment; **FE**–Final Examination;

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SEMESTER 4								
THEORY								
T21401	SPINNING TECHNOLOGY- II	4	1	-	5	25	75	100
T21402	WEAVING TECHNOLOGY -II	4	1	-	5	25	75	100
T21403	TEXTILE CHEMICAL PROCESSING	4	1	-	5	25	75	100
T21404	KNITTING TECHNOLOGY	4	1	-	5	25	75	100
PRACTICALS								
T21451	WEAVING TECHNOLOGY LABORATORY- II	-	-	3	1.5	25	75	100
T21452	TEXTILE TESTING LABORATORY- II	-	-	3	1.5	25	75	100
T21453	KNITTING LABORATORY	-	-	3	1.5	25	75	100
T21454	TEXTILE CHEMICAL PROCESSING LABORATORY- I	-	-	3	1.5	25	75	100
T21455	TECHNICAL COMMUNICATION LABORATORY	1	-	2	2	25	75	100
T21456	INTERNSHIP [#]	-	-	-	3	-	-	GRADE
	TOTAL	17	4	14	31	225	675	900
SEMESTER 5								
THEORY								
T21501	NEW SPINNING SYSTEMS AND SHUTTLELESS WEAVING	4	2	-	6	25	75	100
T21502	FABRIC STRUCTURE	4	2	-	6	25	75	100
T21Exx	ELECTIVE THEORY -I	4	1	-	5	25	75	100
PRACTICALS								
T21551	GARMENT MANUFACTURING LABORATORY -I	-	-	3	1.5	25	75	100
T21552	WOVEN FABRIC ANALYSIS LABORATORY	-	-	3	1.5	25	75	100
T21553	TEXTILE CHEMICAL PROCESSING LABORATORY -II	-	-	3	1.5	25	75	100
T21554	SEWING PRACTICE LABORATORY	-	-	3	1.5	25	75	100
T21555	MINI PROJECT AND ENTREPRENEURSHIP	3	-	3	4	25	75	100
	TOTAL	15	5	15	27	200	600	800
SEMESTER 6								
THEORY								
T21601	PROCESS AND QUALITY CONTROL	4	1	-	5	25	75	100
T21602	TECHNICAL TEXTILES	4	-	-	4	25	75	100
T21Exx	ELECTIVE THEORY -II	4	1	-	5	25	75	100
PRACTICALS								
T21651	SHUTTLELESS WEAVING LABORATORY	-	-	3	1.5	25	75	100
T21652	TEXTILE CAD LABORATORY	-	-	3	1.5	25	75	100
T21653	KNITTED FABRIC ANALYSIS LABORATORY	-	-	3	1.5	25	75	100
T21654	GARMENT MANUFACTURING LABORATORY -II	-	-	3	1.5	25	75	100
T21655	PROJECT WORK AND VIVA VOCE	-	-	9	4	25	75	100
	TOTAL	12	2	21	24	200	600	800

ELECTIVE COURSES (Two to be opted)

Course Code	Course Title	Hours/Week			Credits	Maximum Marks		
		Lecture	Tutorial	Practical		CE	FE	Total
THEORY								
T21E01	TEXTILE MILL ORGANISATION	4	1	-	5	25	75	100
T21E02	GARMENT MANUFACTURING TECHNOLOGY	4	1	-	5	25	75	100
T21E03	HOME TEXTILES	4	1	-	5	25	75	100
T21E04	MECHANICAL PROCESSING OF MAN-MADE FIBRES	4	1	-	5	25	75	100
T21E05	TEXTILE MACHINERY MAINTENANCE	4	1	-	5	25	75	100
T21E06	GREEN PROCESSING OF TEXTILES	4	1	-	5	25	75	100

Legend: **CA**–Continuous Assessment; **FE**–Final Examination;
-Internship will be arranged for 4 weeks during the vacation at the end of 4th semester