

F-Scheme

MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES & EXAMINATIONS
B.Tech 2nd YEAR TEXTILE TECHNOLOGY(TT)
3rd SEMESTER
Proposed 'F' Scheme w.e.f 2010-11

Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
TT-201-F	Textile Raw Materials (common with TC/FAE)	3	1	-	4	50	100	-	150	3
TT-203-F	Yarn Manufacture-I	3	1	-	4	50	100	-	150	3
TT-205-F	Weaving Preparation	3	1	-	4	50	100	-	150	3
TT-207-F	Fabric Manufacture-I	3	1	-	4	50	100	-	150	3
ME-217-F	Thermal science(common to TC and TT)	3	1	-	4	50	100	-	150	3
HUM-201-F	Engineering Economics (Common to CSE, ME, ECE, BME, EE, EEE, E&I, I&C, IT, CE, TT, FAE, TC)	3	1	-	4	50	100	-	150	3
	Practicals									
TT-209-F	Spinning Practical-I	-	-	3	3	50	-	50	100	4
TT-211-F	Weaving Practical-I	-	-	3	3	50	-	50	100	4
ME-219-F	Machine Drawing	-	-	2	2	50	-	50	100	4
TT-213-F	Fibre Microscopy & Identification	-	-	2	2	50	-	50	100	4
Total		18	6	10	34	500	600	200	1300	



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MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES & EXAMINATIONS
B.Tech 2nd YEAR TEXTILE TECHNOLOGY (TT)
4th SEMESTER

Proposed 'F' Scheme w.e.f 2010-11

Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
TT-202-F	Man-Made Fibre Production	3	1	-	4	50	100	-	150	3
TT-204-F	Yarn Manufacture-II	3	1	-	4	50	100	-	150	3
TT-206-F	Fabric Manufacture-II	3	1	-	4	50	100	-	150	3
TT-208-F	Fabric Structure	3	1	-	4	50	100	-	150	3
TT-210-F	Computer Aided Designing	3	1	-	4	50	100	-	150	3
MA-201-F	Applied Statistics & Operations Research	3	1	-	4	50	100	-	150	3
	Practicals									
TT-212-F	Spinning Practical-II	-	-	3	3	50	-	50	100	4
TT-214-F	Weaving Practical-II	-	-	3	3	50	-	50	100	4
TT-216-F	Fabric Analysis	-	-	2	2	50	-	50	100	4
TT-218-F	Computer Aided Textile Designing	-	-	2	2	50	-	50	100	4
Total		18	6	10	34	500	600	200	1300	



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MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES & EXAMINATIONS
B.Tech 3rd YEAR TEXTILE TECHNOLOGY (TT)
5th SEMESTER
Proposed 'F' Scheme w.e.f 2011-12

Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
TT-301-F	Structure & Properties of Fibres (Common with TC)	3	1	-	4	50	100	-	150	3
TT-303-F	Yarn Manufacture-III	3	1	-	4	50	100	-	150	3
TT-305-F	Fabric Manufacture-III	3	1	-	4	50	100	-	150	3
TT-307-F	Textile Testing-I (Common with TC)	3	1	-	4	50	100	-	150	3
TT-309-F	Textile Chemical Processing-I	3	1	-	4	50	100	-	150	3
TT-311-F	Garment Manufacturing Technology (Common with TC)	3	1	-	4	50	100	-	150	3
	Practicals									
TT-313-F	Spinning Practical-III	-	-	3	3	50	-	50	100	4
TT-315-F	Weaving Practical-III	-	-	3	3	50	-	50	100	4
TT-317-F	Textile Testing Practical-I (Common with TC)	-	-	2	2	50	-	50	100	4
TT-319-F	Patterning Cutting & Making-UP (Common with TC)	-	-	2	2	50	-	50	100	4
Total		18	6	10	34	500	600	200	1300	



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MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES & EXAMINATIONS
B.Tech 3rd YEAR TEXTILE TECHNOLOGY (TT)
6th SEMESTER
Proposed 'F' Scheme w.e.f 2011-12

Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
TT-302-F	Modern Methods of Yarn Production	3	1	-	4	50	100	-	150	3
TT-304-F	Fabric Manufacture-IV	3	1	-	4	50	100	-	150	3
TT-306-F	Textile Testing-II (Common with TC)	3	1	-	4	50	100	-	150	3
TT-308-F	Mechanics of Textile Machinery	3	1	-	4	50	100	-	150	3
TT-310-F	Textile Chemical Processing-II	3	1	-	4	50	100	-	150	3
HUM-312-F	Merchandising & Export Management (Common with TC)	3	1	-	4	50	100	-	150	3
	Practicals									
TT-314-F	Spinning Practical-IV	-	-	3	3	50	-	50	100	4
TT-316-F	Weaving Practical-IV	-	-	3	3	50	-	50	100	4
TT-318-F	Textile Testing Practical-II (Common with TC)	-	-	2	2	50	-	50	100	4
TT-320-F	Textile Chemical Processing Lab	-	-	2	2	50	-	50	100	4
Total		18	6	10	34	500	600	200	1300	



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MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES & EXAMINATIONS
B. Tech FINAL YEAR TEXTILE TECHNOLOGY (TT)
7th SEMESTER
'F' Scheme w.e.f 2012-13

Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
TT-401-F	High Performance Fibres	3	1	-	4	50	100	-	150	3
TT-403-F	Multifibre Spinning	3	1	-	4	50	100	-	150	3
TT-405-F	Waste Management & Pollution Control OR Production Planning & Quality Management	3	1	-	4	50	100	-	150	3
TT-407-F	Engineering of Textile Structures-I	3	1	-	4	50	100	-	150	3
TT-409-F	Textile Costing	3	1	-	4	50	100	-	150	3
HUM-411-F	Finance, Material and Human Resource Management	3	1	-	4	50	100	-	150	3
TT-413-F	Spinning Practical – V	-	-	3	3	50	-	50	100	4
TT-415-F	Weaving Practical – V	-	-	3	3	50	-	50	100	4
TT-417-F	Mill Practice	-	-	-	-	100	-	200	300	4
TT-418-F	Seminar	-	-	2	2	-	-	-	-	-
TT-419-F	Project Work (Mid Term Evaluation)	-	-	2	2	100	-	-	100	Viva
Total		18	6	10	34	600	600	300	1500	



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Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
TT-402-F	Post Extrusion Operations	3	1	-	4	50	100	-	150	3
TT-404-F	Spinning Technology	3	1	-	4	50	100	-	150	3
TT-406-F	Complex Textiles	3	1	-	4	50	100	-	150	3
TT-408-F	Engineering of Textile Structures-II	3	1	-	4	50	100	-	150	3
TT-410-F	Technical Textiles OR Global Scenario of Textile Industry	3	1	-	4	50	100	-	150	3
CSE-412-F	Computer Network & Applications	3	1	-	4	50	100	-	150	3
TT-414-F	Textile Colour & Design	-	-	3	3	50	-	50	100	4
TT-416-F	Computer Networking Practical	-	-	3	3	50	-	50	100	4
TT-418-F	Seminar	-	-	2	2	200	-	-	200	-
TT-420-F	Project Work	-	-	2	2	100	-	100	200	Viva
Total		18	6	10	34	700	600	200	1500	



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MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES AND EXAMINATION
B.TECH (TEXTILE CHEMISTRY) SEMESTER-III
'F' Scheme w.e.f 2010-11

Course No.	Course Title	Teaching Schedule				Mark s of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
TT-201-F	Textile Raw Materials	3	1	-	4	50	100	-	150	3
TC-201-F	Physical & Organic Chemistry	3	1	-	4	50	100	-	150	3
TC-203-F	Yarn Formation	3	1	-	4	50	100	-	150	3
TC-205-F	Polymer & Fibre Chemistry	3	1	-	4	50	100	-	150	3
ME-217-F	Thermal Science	3	1	-	4	50	100	-	150	3
HUM-201- F	Engineering Economics	3	1	-	4	50	100	-	150	3
	Practicals									
TC-207-F	Yarn Formation Practical	-	-	3	3	50	-	50	100	4
TC-209-F	Qualitative Analysis of Organic Compounds	-	-	3	3	50	-	50	100	4
ME-219-F	Machine Drawing	-	-	2	2	50	-	50	100	4
TT-213-F	Fibre Microscopy & Identification	-	-	2	2	50	-	50	100	4
Total		18	6	10	34	500	600	200	1300	



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MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES AND EXAMINATION
B.TECH (TEXTILE CHEMISTRY) SEMESTER-IV
'F' Scheme w.e.f 2010-11

Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
TT-202-F	Man-Made Fibre Production	3	1	-	4	50	100	-	150	3
TC-202-F	Unit Organic Process & Chemical Engg	3	1	-	4	50	100	-	150	3
TC-204-F	Fabric Formation	3	1	-	4	50	100	-	150	3
TC-206-F	Preparatory Wet Processing	3	1	-	4	50	100	-	150	3
TT-210-F	Computer Aided Designing	3	1	-	4	50	100	-	150	3
MA-201-F	Applied Statistics & Operations Research	3	1	-	4	50	100	-	150	3
	Practicals									
TC-208-F	Fabric Formation Practical	-	-	3	3	50	-	50	100	4
TC-210-F	Preparatory Wet Process Lab	-	-	3	3	50	-	50	100	4
TC-212-F	Analytical Chemistry Lab	-	-	2	2	50	-	50	100	4
TT-218-F	Computer Aided Textile Design	-	-	2	2	50	-	50	100	4
Total		18	6	10	34	500	600	200	1300	



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MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES & EXAMINATIONS
B.Tech 3rd YEAR TEXTILE CHEMISTRY (TC)
5th SEMESTER

Proposed 'F' Scheme w.e.f 2011-12

Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
TT-301-F	Structure & Properties of Fibres (common with TT)	3	1	-	4	50	100	-	150	3
TC-303-F	Technology of Dyeing	3	1	-	4	50	100	-	150	3
TC-305-F	Chemistry of Dyes	3	1	-	4	50	100	-	150	3
TT-307-F	Textile Testing-I (common with TT)	3	1	-	4	50	100	-	150	3
TC-309-F	Textile Design	3	1	-	4	50	100	-	150	3
TT-311-F	Garment Manufacturing Technology (Common with TT)	3	1	-	4	50	100	-	150	3
	Practicals									
TC-313-F	Dyeing Lab-I	-	-	3	3	50	-	50	100	4
TC-315-F	Technical Analysis Lab	-	-	3	3	50	-	50	100	4
TT-317-F	Textile Testing Practical-I (common with TT)	-	-	2	2	50	-	50	100	4
TT-319-F	Pattern Cutting & Making-Up (common with TT)	-	-	2	2	50	-	50	100	4
Total		18	6	10	34	500	600	200	1300	



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MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES & EXAMINATIONS
B.Tech 3rd YEAR TEXTILE CHEMISTRY (TC)
6th SEMESTER
Proposed 'F' Scheme w.e.f 2011-12

Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
TC-302-F	Processing of Synthetics & Blends	3	1	-	4	50	100	-	150	3
TC-304-F	Textile Printing	3	1	-	4	50	100	-	150	3
TT-306-F	Textile Testing-II (common with TT)	3	1	-	4	50	100	-	150	3
TC-308-F	Textile Finishing-I	3	1	-	4	50	100	-	150	3
TC-310-F	Garment Processing & Quality Control	3	1	-	4	50	100	-	150	3
HUM-312-F	Merchandising & Export Management (common with TT)	3	1	-	4	50	100	-	150	3
	Practicals									
TC-314-F	Dyeing Lab-II	-	-	3	3	50	-	50	100	4
TC-316-F	Printing Lab	-	-	3	3	50	-	50	100	4
TT-318-F	Textile Testing Practical-II (common with TT)	-	-	2	2	50	-	50	100	4
TC-320-F	Industrial Wet Processing	-	-	2	2	50	-	50	100	4
Total		18	6	10	34	500	600	200	1300	



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MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES AND EXAMINATION
B.TECH (TEXTILE CHEMISTRY) SEMESTER-VII (2012-13)
'F' scheme w.e.f 2012-13

Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
TC 401-F	Textile Chemical Testing	3	1	-	4	50	100	-	150	3
TC 403-F	Textile Finishing-II	3	1	-	4	50	100	-	150	3
TT 405-F	Production Planning & Quality Management OR Waste Management & Pollution Control (common with TT)	3	1	-	4	50	100	-	150	3
TC 407-F	Wet Processing Machinery	3	1	-	4	50	100	-	150	3
TC 409-F	Theory of Coloration and Computer Colour Matching	3	1	-	4	50	100	-	150	3
HUM411-F	Finance, Material and Human Resource Management (common with TT)	3	1	-	4	50	100	-	150	3
TC 413-F	Colour Measurement & CCM lab	-	-	3	3	50	-	50	100	4
TC 415-F	Textile Finishing Lab	-	-	3	3	50	-	50	100	4
TC 417-F	Mill Practice	-	-	-	-	100	-	200	300	Viva
TC 418-F	Seminar	-	-	2	2	-	-	-	-	-
TC 419-F	Project Work (Mid Term Evaluation)	-	-	2	2	100	-	-	100	Viva
Total		18	6	10	34	600	600	300	1500	



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B.TECH (TEXTILE CHEMISTRY) SEMESTER-VIII (2012-13)

Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
TT 402-F	Post Extrusion Operations (common with TT)	3	1	-	4	50	100	-	150	3
TC 404-F	Developments in Textile Chemical Processing	3	1	-	4	50	100	-	150	3
TC 406-F	Process Control in Chemical Processing	3	1	-	4	50	100	-	150	3
TC 408-F	Knitting & Knit Processing OR Eco-friendly Processing and Manufacturing of Textiles	3	1	-	4	50	100	-	150	3
TT 410-F	Technical Textiles OR Global Scenario of Textile Industry (Common with TT)	3	1	-	4	50	100	-	150	3
CSE 412-F	Computer Network & Applications (common with TT)	3	1	-	4	50	100	-	150	3
TT 414-F	Textile Colour & Design (common with TT)	-	-	3	3	50	-	50	100	4
CSE 416-F	Computer Networking Practical (common with TT)	-	-	3	3	50	-	50	100	4
TC 418-F	Seminar	-	-	2	2	200	-	-	200	Viva
TC 420-F	Project Work	-	-	2	2	-	-	200	200	Viva
Total		18	6	10	34	600	600	300	1500	



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MAHARSHI DAYANAND UNIVERSITY, ROHTAK
 SCHEME OF STUDIES AND EXAMINATION
 B.TECH (FASHION & APPAREL ENGG) SEMESTER-III
 'F' Scheme w.e.f 2010-11



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Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
TT-201-F	Textile Raw Materials	3	1	-	4	50	100	-	150	3
FA-201-F	Traditional Indian Embroideries & Textiles	3	1	-	4	50	100	-	150	3
TC-203-F	Yarn Formation	3	1	-	4	50	100	-	150	3
FA-207-F	Apparel Production-I	3	1	-	4	50	100	-	150	3
MA-201-F	Applied Statistics & Operations Research	3	1	-	4	50	100	-	150	3
HUM-201-F	Engineering Economics	3	1	-	4	50	100	-	150	3
Practicals										
TC-209-F	Yarn Formation Practical	-	-	3	3	50	-	50	100	4
FA-205-F	Fashion Sketching	-	-	3	3	50	-	50	100	4
FA-207-F	Traditional Indian Embroideries & Textiles	-	-	2	2	50	-	50	100	4
TT-213-F	Fibre Microscopy & Identification	-	-	2	2	50	-	50	100	4
Total		18	6	10	34	500	600	200	1300	

MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES AND EXAMINATION
B.TECH (FASHION & APPAREL ENGG) SEMESTER-IV
'F' Scheme w.e.f 2010-11

Subject Code	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
FA-202-F	Evolution of Clothing & Fashion	3	1	-	4	50	100	-	150	3
FA-204-F	Colour and Design Concepts	3	1	-	4	50	100	-	150	3
TC-204-F	Fabric Formation	3	1	-	4	50	100	-	150	3
TT-208-F	Fabric Structure	3	1	-	4	50	100	-	150	3
FA-206-F	Apparel Merchandising	3	1	-	4	50	100	-	150	3
FA-208-F	Apparel Production-II	3	1	-	4	50	100	-	150	3
	Practicals									
TC-208-F	Fabric Formation Practical	-	-	3	3	50	-	50	100	4
FA-210-F	Colour and Design Lab	-	-	3	3	50	-	50	100	4
FA-212-F	Elementary Garment Manufacturing Lab	-	-	2	2	50	-	50	100	4
FA-214-F	Design Ideas and Fashion Illustration	-	-	2	2	50	-	50	100	4
	Total	18	6	10	34	500	600	200	1300	



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FA-202-F EVOLUTION OF CLOTHING AND FASHION

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Class work : 50
Examination : 100
Total : 150
Exam duration: 3 hrs

NOTE: Examiner will set 9 questions in total, with two questions from each unit and one question covering all sections which will be Q.1. This Q.1 is compulsory and of short answers type. Each question carries equal mark (20 marks). Students have to attempt 5 questions in total at least one question from each unit

Unit I

Origin of clothing. Objectives of clothing and costumes, Main archetypes of costumes, Principles of history of fashion. Theories of clothing-Protection, adornment, modesty and combined need theory etc.

Fashion and its meaning, Principles and history of fashion, Classification of fashion. Fashion product Life cycles. Sources of Fashion, Factors affecting fashion movement like cultural, socio-psychological, etc.

Unit II

Effect of various factors such as communication, industry, economy, sports etc on fashion. Fashion leadership theories. Important fashion capitals, National and International fashion designers, National and International fashion markets and fashion weeks.

Unit III

Indian history of costumes: Concept and comparison of costumes of all stages of pre-historic and medieval period, Study of Costumes, jewellery, footwear, hairstyles etc. in India in different periods as – Vedic and post vedic period, Maurian Period, Gupta period Kushan and Kanishka period.

Unit IV

Global history of costumes: Concepts and history of classical costumes in Greek civilization and Roman civilization. History of costumes in Egyptian and Byzantine civilization. History of costumes in the western world starting from the origin up to the Reign of Charles and Louis with the emphasis on famous fashion centers and famous fashion designers. Important national and international fashion designers.

Reading List

Title

The guide to historic costumes
Inside Fashion Business
Inside Fashion Design
Fashion: From Concept to Consumers
Understanding today's Fashion

Author

Karen Baclaw Ski
Kitty G. Dickerson
Sharon Lee Tate
Gini Stephon Frings

MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES AND EXAMINATION
B.TECH (FASHION & APPAREL ENGG) SEMESTER-V
'F' Scheme w.e.f 2011-12

Course No.	Course Title	Teaching Schedule				Marks of Classes	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theo	Practical		
FA-301-F	Knitting Technology	3	1	-	4	50	100	-	150	3
FA-303-F	Apparel Production-III	3	1	-	4	50	100	-	150	3
FA-305-F	Preparatory Wet processing	3	1	-	4	50	100	-	150	3
FA-307-F	Material Studies	3	1	-	4	50	100	-	150	3
FA-309-F	Apparel Production Planning & Scheduling	3	1	-	4	50	100	-	150	3
FA-311-F	Finance Material & Human Resource	3	1	-	4	50	100	-	150	3
	Practicals									
FA-313-F	Pattern Making	-	-	2	2	50	-	50	100	4
FA-315-F	Apparel Construction Lab-I	-	-	3	3	50	-	50	100	4
FA-317-F	Woven Knit Design and Development	-	-	2	2	50	-	50	100	4
FA-319-F	Preparatory Wet processing Lab	-	-	3	3	50	-	50	100	4
Total		18	6	10	3	500	600	200	1300	



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MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES AND EXAMINATION
B.TECH (FASHION & APPAREL ENGG) SEMESTER-VI
'F' Scheme w.e.f 2011-12

Course No.	Course Title	Teaching Schedule				Marks of Classes	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theo	Practical		
TC-302-F	Dyeing of Textiles	3	1	-	4	50	100	-	150	3
TT-304-F	Textile & Garment Technology	3	1	-	4	50	100	-	150	3
FA-306-F	Garment Production Machines & Technology	3	1	-	4	50	100	-	150	3
FA-308-F	Knitted Garment Technology	3	1	-	4	50	100	-	150	3
FA-310-F	Apparel Marketing & Merchandising	3	1	-	4	50	100	-	150	3
TT-312-F	Structure & Properties of Textiles	3	1	-	4	50	100	-	150	3
Practicals										
TC-314-F	Dyeing & Computer Color	-	-	2	2	50	-	50	100	4
TT-316-F	Textile & Garment Technology	-	-	3	3	50	-	50	100	4
FA-318-F	Apparel Design Lab	-	-	2	2	50	-	50	100	4
FA-320-F	Apparel Construction Lab-II	-	-	3	3	50	-	50	100	4
Total		18	6	10	3	500	600	200	1300	



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Director,
12 THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI

MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES AND EXAMINATION
B.TECH (FASHION & APPAREL ENGG) SEMESTER-VII
'F' Scheme
EFFECTIVE FROM THE SESSION 2012-13

Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
FA-401-F	Printing of Textiles	3	1	-	4	50	100	-	150	3
FA-403-F	Textile and Apparel Costing	3	1	-	4	50	100	-	150	3
FA-405-F	Automation in Garment Industry	3	1	-	4	50	100	-	150	3
FA-407-F	Computer Aided Designing	3	1	-	4	50	100	-	150	3
FA-409-F	Fashion Selection	3	1	-	4	50	100	-	150	3
FA-411-F	Indian Business Environment	3	1	-	4	50	100	-	150	3
FA-413-F	Printing Lab	-	-	3	3	50	-	50	100	4
FA-415-F	Apparel Design by CAD	-	-	3	3	50	-	50	100	4
FA-417-F	Garment Industry Practice	-	-	-	-	-	-	300	300	4
FA-418-F	Seminar	-	-	2	2	-	-	-	-	-
FA-419-F	Project Work (Mid Term Evaluation)	-	-	2	2	-	-	100	100	4
Total		18	6	10	34	400	600	500	1500	



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**Director,
 THE TECHNOLOGICAL INSTITUTE
 OF TEXTILE & SCIENCES, BHIWANI**

MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES AND EXAMINATION
B.TECH (FASHION & APPAREL ENGG) SEMESTER-VIII
'F' Scheme
EFFECTIVE FROM THE SESSION 2012-13

Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theor	Practical		
FA-402-F	High Tech Garments	3	1	-	4	50	100	-	150	3
FA-404-F	Quality Assurance in Apparel Industry	3	1	-	4	50	100	-	150	3
FA-406-F	Fashion Accessories	3	1	-	4	50	100	-	150	3
FA-408-F	Retailing and Fashion Promotion	3	1	-	4	50	100	-	150	3
FA-410-F	Chemical & Mechanical Finishing of Textiles	3	1	-	4	50	100	-	150	3
FA-412-F	Advance Apparel Construction Techniques OR Home Fashions	3	1	-	4	50	100	-	150	3
FA-414-F	Apparel Draping & Grading	-	-	3	3	50	-	50	100	4
FA-416-F	Advance Apparel Construction Lab OR Home Fashions Lab	-	-	3	3	50	-	50	100	4
FA-418-F	Seminar	-	-	2	2	200	-	-	200	4
FA-420-F	Project Work	-	-	2	2	100	-	100	200	4
Total		18	6	10	34	700	600	200	1500	



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Director,
THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI

M.D UNIVERSITY
SCHEME OF STUDIES AND EXAMINATION
B.TECH. II YEAR (COMPUTER SCIENCE & ENGINEERING)
SEMESTER III
'F' Scheme effective from 2010-11

Sl. No	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)
			L	T	P	Total	Marks of Class works	Theory	Practical	Total	
1	MATH-201-F OR HUM-201-F	Mathematics III Common to (CSE,IT,ME,ECE,BM E,EE,EEE,E&I,I&C) OR ENGG. ECONOMICS	3	2	-	5	50	100	-	150	3
2	CSE-201 F	Data Structures Using C (CSE,ECE,IT,EI)	3	1	-	4	50	100	-	150	3
3	CSE-203 F	Discrete Structures (CSE,IT)	3	1	-	4	50	100	-	150	3
4	EE-217 -F	Digital & Analog Communication (CSE,IT)	3	1	-	4	50	100	-	150	3
5	EE-204-F	Digital Electronics (Common with 4 th Sem. – EE,EL,EI & IC)	3	1	-	4	50	100	-	150	3
6	HUM-203 F	Fundamental of Management (Common for all branches)	3	1	-	4	50	100	-	150	3
7	IT-201-F	PC Lab (CSE,IT)	-	-	3	3	50	-	50	100	3
8	CSE-205-F	Data Structures Using C Lab (CSE,ECE,IT,EI)	-	-	2	2	25	-	25	50	3
9	EE-224-F	Digital Electronics Lab (CSE,IT & Common with 4 th Sem. – EE,EL,EI & IC)	-	-	3	3	50	-	50	100	3
TOTAL			18	7	8	33	425	600	125	1150	

**NOTE: 1. Students will be allowed to use non-programmable scientific calculator.
However, sharing of Calculator will not be permitted in the examination.**



Director,
**THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI**

M.D UNIVERSITY
SCHEME OF STUDIES AND EXAMINATION
B.TECH. II YEAR (COMPUTER SCIENCE & ENGINEERING)
SEMESTER - IV

'F' Scheme effective from 2010-11

Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)			Duration of Exam (Hours)	
			L	T	P	Total	Marks of Class work	Theory	Practical		Total
1	CSE-202 F	Data Base Management Systems (CSE,IT)	3	1	-	4	50	100	-	150	3
2	CSE-204 F	Programming Languages	3	1	-	4	50	100	-	150	3
3	MATH-201-F OR HUM-201-F	Mathematics III Common to (CSE,IT,ME,ECE,B ME,EE,EEE,E&I,I& C) OR ENGG. ECONOMICS	3	2	-	5	50	100	-	150	3
4	IT-202-F	Object-Oriented Programming using C++ (CSE,IT)	3	1	-	4	50	100	-	150	3
5	CSE-208 F	Internet Fundamentals (CSE,IT)	3	1	-	4	50	100	-	150	3
6	CSE-210 F	Computer Architecture and Organization (CSE,IT and Common with 5 th Sem. EL,EI,IC)	3	1	-	4	50	100	-	150	3
7	CSE-212 F	Data Base Management Systems Lab. (CSE,IT)	-	-	3	3	50	-	50	100	3
8	IT-206-F	C++ Programming Lab. (CSE,IT)	-	-	2	2	25	-	25	50	3
9	CSE-214 F	Internet Lab. (CSE,IT)	-	-	2	2	25	-	25	50	3
10	GP-202 F	General Proficiency	-	-	2	2	50	-	-	50	
TOTAL			18	6	9	34	450	600	100	1150	

Note:

- 1) Students will be allowed to use non-programmable scientific calculator. However, sharing of
- 2) Calculator will not be permitted in the examination.
- 3) Each student has to undergo practical training of 6 weeks during summer vacation and its evaluation shall be carried out in the V semester.



Director,
**THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI**

M. D. UNIVERSITY, ROHTAK
Scheme of studies & Examination
Bachelor of Technology (Computer Science & Engineering)
Semester - V
'F' Scheme Effective from 2010-11

S. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)
			L	T	P	Total	Marks of Class work	Theory	Practical	Total	
1	CSE-301-F	Principles of Operating System (CSE,IT)	3	1	-	4	50	100	-	150	3
2	EE-309-F	Microprocessors and Interfacing (EL,CSE,IT,EI, IC, EEE, AEI)	3	1	-	4	50	100	-	150	3
3	CSE-303-F	Computer Graphics (CSE,IT)	3	1	-	4	50	100	-	150	3
4	CSE-305-F	Theory of Automata Computation	3	1	-	4	50	100	-	150	3
5	CSE 307-F	Web Development (Common with IT – VI Sem)	3	1	-	4	50	100	-	150	3
6	IT-204-F	Multimedia Technologies (Common with IT- IV-Sem)	3	-	-	3	50	100	-	150	3
7	CSE-309-F	Computer Graphics Lab. (CSE,IT)	-	-	3	3	25	-	25	50	3
8	CSE-311-F	Web Development & Core JAVA Lab. (Common with 6 Sem.-IT) th	-	-	2	2	25	-	25	50	3
9	IT-208-F	Multimedia Tech. Lab (Common with IT-IVSem)	-	-	2	2	25	-	25	50	3
10	EE-329-F	Microprocessors and Interfacing Lab. (EL,CSE,IT,EI, IC, EEE, AEI)	-	-	2	2	25	-	25	50	3
11.	CSE-313-F	O.S. Lab. (CSE, IT)	-	-	2	2	25	-	25	50	-
12	CSE-315-F	Practical Training-I	-	-	2	2	-	-	-	-	-
TOTAL			18	5	13	36	425	600	125	1150	

Note:

1. Students will be allowed to use non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.
2. Assessment of Practical Training-I, undergone at the end of IV semester, will be based on seminar, viva-voce, report and certificate of practical training obtained by the student from the industry. According to performance letter grades A, B, C, F are to be awarded. A student who is awarded „F” grade is required to repeat Practical Training.



Director,
**THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI**

M.D. UNIVERSITY, ROHTAK

**Scheme of studies & Examination
Bachelor of Technology (Computer Science & Engineering)
Semester - VI
'F' Scheme Effective from 2010-11**

S. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)			Duration of Exam (Hours)	
			L	T	P	Marks of Total Class work	Theory	Practical	Total		
1	CSE-302 F	Principles of Software Engineering (CSE,IT)	3	1	-	4	50	100	-	150	3
2	CSE-304 F	Intelligent Systems (CSE,IT)	3	1	-	4	50	100	-	150	3
3	IT-305 F	Computer Networks (CSE, EL & Common with 5 Sem. – IT, AEI)	3	1	-	4	50	100	-	150	3
4	IT-303 F	Systems Programming & System Administration (Common with 5 Sem. – IT)	3	1		4	50	100	-	150	3
5	CSE-306 F	Analysis & Design of Algorithms	3	1	-	4	50	100	-	150	3
6	EE-310-F	Digital System Design (EL,EE,CSE,EI, IC, AEI)	3	1	-	4	50	100	-	150	3
7	CSE-308 F	Intelligent Systems Lab. (CSE,IT)	-	-	3	3	25	-	25	50	3
8	EE-330-F	Digital System Design Lab. (EL,EI, IC,CSE, AEI)	-	-	3	3	25	-	25	50	3
9	CSE-310-F	Computer Network lab	-	-	2	2	25	-	25	50	3
	CSE-312-F	Visual Programming Lab.	-	-	2	2	25	-	25	50	3
9	GP-302-F	General Proficiency	-	-	-	-	50	-	-	50	3
		TOTAL	18	6	10	34	450	600	100	1150	-

Note:

1. Each student has to undergone practical training of 6 weeks during summer vacation and its evaluation shall be carried out in the VII semester.
2. Students will be allowed to use non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.



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**Director,
THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI**

MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES & EXAMINATIONS
B.Tech. 4th YEAR COMPUTER SC & ENGINEERING, SEMESTER- VIII
(Scheme-F)

EFFECTIVE FROM THE SESSION 2012-13

		Subject	Internal Marks	External Marks	Total Marks
1.	CSE- 402-F	Industrial Training/Institutional Project Work	150	150	300

Note:

The students are required to undergo Industrial Training or Institutional Project Work of duration not less than 4 months in a reputed organization or concerned institute. The students who wish to undergo industrial training, the industry chosen for undergoing the training should be at least a private limited company. The students shall submit and present the mid-term progress report at the Institute. The presentation will be attended by a committee. Alternately, the teacher may visit the Industry to get the feedback of the students.

The final viva-voce of the Industrial Training or Institutional Project Work will be conducted by an external examiner and one internal examiner appointed by the Institute. External examiner will be from the panel of examiners submitted by the concerned institute approved by the Board of Studies in Engg. & Technology. Assessment of Industrial Training or Institutional Project Work will be based on seminar, viva-voce, report and certificate of Industrial Training or Institutional Project Work obtained by the student from the industry or Institute.

The internal marks distributions for the students who have undergone Industrial Training consist of 50 marks from the industry concern and 100 marks by the committee members consisting of faculty members of concerned department of the parent institute.

The teachers engaged for Institutional Project work shall have a workload of 2 hours per group (at least 4 students) per week.



Director,
**THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI**

M.D.UNIVERSITY, ROHTAK
Scheme of Studies / Examination
Bachelor of Technology (Computer Science & Engineering)
SEMESTER VII
'F' Scheme Effective from 2012-13

Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)			Duration of Exam (Hours)	
			L	T	P	Total	Marks of Class work	Theory	Practical		Total
1	CSE-401 F	Advanced Computer Architecture	3	1	-	4	50	100	-	150	3
2	CSE-403 F	Software Project Management (CSE,IT)	3	1	-	4	50	100	-	150	3
3	CSE-405 F	Compiler Design	3	1	-	4	50	100	-	150	3
4	CSE-407 F	Neural Networks	3	1	-	4	50	100	-	150	3
5	CSE-409 F	Advanced Java (CSE, IT)	3	1	-	4	50	100	-	150	3
6		Elective	3	1	-	4	50	100	-	150	3
7	CSE-411 F	Compiler Design Lab	-	-	2	2	25	-	50	75	3
8	CSE-413 F	Neural Networks Using MATLAB	-	-	2	2	25	-	50	75	3
9	CSE-415 F	Advanced JAVA Lab (CSE, IT)	-	-	3	3	50	--	100	150	3
10	CSE-417 F	PRactical TRAINING-II	-	-	-	-	-	-	-	-	-
		TOTAL	18	6	7	31	400	600	200	1200	

List of Electives

1.	CSE-423 F	Distributed Operating System
2.	IT-465F	Network Security & Management
3.	CSE-421 F	Real Time Systems
4.	CSE-435 F	Advanced Database Management Systems
5.	IT-467 F	Computer Software Testing
6.	IT-473 F	High Speed Networks

Note:

1. Students will be allowed to use non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.
2. Student will be permitted to opt for any one elective run by the department. However, the departments will offer only those electives for which they have expertise. The choice of the students for any elective shall not be a binding for the department to offer, if the department does not have expertise.
3. Assessment of Practical Training-II, carried out at the end of VI semester, will be based on seminar, viva- voce and project report of the student. According to performance letter grades A, B, C, F are to be awarded. A student who is awarded 'F' grade is required to repeat Practical Training.



Director,
 THE TECHNOLOGICAL INSTITUTE
 OF TEXTILE & SCIENCES, BHIWANI

M.D UNIVERSITY
SCHEME OF STUDIES AND EXAMINATION
B.TECH. II YEAR (INFORMATION TECHNOLOGY)
SEMESTER -III

'F' Scheme effective from 2010-11

Sl. No	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)
			L	T	P	Total	Marks of Class work	Theory	Practical	Total	
1	MATH-201-F OR HUM-201-F	Mathematics III Common to (CSE,IT,ME,ECE,B ME,EE,EEE,E&I,I& C) OR ENGG. ECONOMICS	3	2	-	5	50	100	-	150	3
2	CSE-201 F	Data Structures using 'C' (CSE,ECE,IT,EI)	3	1	-	4	50	100	-	150	3
3	CSE-203 F	Discrete Structures (CSE,IT)	3	1	-	4	50	100	-	150	3
4	EE-217-F	Digital & Analog Communication (IT,CSE)	3	1	-	4	50	100	-	150	3
5	EE-204-F	Digital Electronics (CSE, IT & common with IV Sem. EL,EE,EI, IC)	3	1	-	4	50	100	-	150	3
6	HUM-203 F	Fundamental of Management (Common for all branches)	3	1	-	4	50	100	-	150	3
7	IT-201 F	PC Lab. (CSE, IT)	-	-	3	3	50	-	50	100	3
8	CSE-205 F	Data Structures using 'C' Lab (CSE,ECE,IT,EI)	-	-	2	2	25	-	25	50	3
9	EE-224-F	Digital Electronics Lab (Common with 4th Sem. - EL,EE,EI, IC)	-	-	3	3	50	-	50	100	3
		TOTAL	18	7	9	33	425	600	125	1150	

NOTE: Students will be allowed to use non-programmable scientific calculator. However, sharing Calculator will not be permitted in the examination.



Director,
**THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI**

M.D UNIVERSITY
SCHEME OF STUDIES AND EXAMINATION
B.TECH. II YEAR (INFORMATION TECHNOLOGY)
SEMESTER -IV

'F' Scheme effective from 2010-11

Sl. No	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)
			L	T	P	Total	Marks of class work	Theory	Practical	Total	
1	CSE-202 F	Data Base Management Systems (CSE,IT)	3	1	-	4	50	100	-	150	3
2	MATH-201-F OR HUM-201-F	Mathematics III Common to (CSE,IT,ME,ECE,BME,EE, ,EEE,E&I,I&C) OR ENGG. ECONOMICS	3	2	-	5	50	100	-	150	3
3	CSE-208 F	Internet Fundamentals (CSE,IT)	3	1	-	4	50	100	-	150	3
4	IT-202 F	Object Oriented Programming using C++ (CSE,IT)	3	1	-	4	50	100	-	150	3
5	CSE-210 F	Computer Architecture & Organization (CSE, IT and common with V-sem. EL,EI,IC)	3	1	-	4	50	100	-	150	3
6	IT-204 F	Multimedia Technologies (Common with CSE – V Sem.)	3	1	-	4	50	100	-	150	3
7	CSE-216 F	Data Base Management Lab.	-	-	2	2	25	-	25	50	3
8	IT-206 F	C++ Programming Lab. (CSE,IT)	-	-	2	2	25	-	25	50	3
9	IT-208 F	Multimedia Technologies Lab (Common with CSE – V Sem.)	-	-	2	2	25	-	25	50	3
10	CSE-214 F	Internet Lab. (CSE, IT)	-	-	2	2	25	-	25	50	3
11	GP-202 F	General Proficiency	-	-	2	2	50	-	-	50	3
TOTAL			18	6	9	35	450	600	100	1150	-

Note:

1. Students will be allowed to use non-programmable scientific calculator. However, sharing of Calculator will not be permitted in the examination.
2. Each student has to undergo practical training of 6 weeks during summer vacation and its evaluation shall be carried out in the V semester.



Director,
THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI

M.D. UNIVERSITY, ROHTAK

**Scheme of Studies & Examination
Bachelor of technology (Information Technology)
Semester - V
'F' Scheme Effective from 2010-11**

S No	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)			Duration of Exam (Hours)	
			L	T	P	Total	Marks of Class work	Theory	Practical		Total
1	IT-301-F	Rapid Application Development	3	1		4	50	100	-	150	3
2	IT-303-F	System Programming & System Administration (Common with CSE – VIth Sem)	3	1	-	4	50	100	-	150	3
3	IT-305-F	Computer Networks (IT, AEI, Common with CSE & EL– VIth Sem)	3	1	-	4	50	100	-	150	3
4	CSE-301-F	Principles of Operating System (CSE,IT)	3	1	-	4	50	100	-	150	3
5	EE- 309-F	Microprocessor & Interfacing (EL,CSE,IT,EI, IC, EEE, AEI)	3	1	-	4	50	100	-	150	3
6	CSE-303-F	Computer Graphics (CSE,IT)	3	1	-	4	50	100	-	150	3
7	IT-307-F	Rapid Application Development Lab	-	-	2	2	25	-	25	50	3
8	CSE-309-F	Computer Graphics Lab (CSE,IT)	-	-	3	3	50	-	50	100	3
9	CSE-313-F	Operating Systems Lab. (CSE, IT Common with CSE – V Sem)	-	-	2	2	25	-	25	50	3
10	EE-329- F	Microprocessor & Interfacing Lab. (CSE, IT, EL, EI, IC, AEI, EEE)	-	-	2	2	25	-	25	50	3
11	IT-309-F	Practical Training-I	-	-	2	2	-	-	-	-	-
		TOTAL	18	6	11	35	425	600	125	1150	

Note:

- 1) Students will be allowed to use non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.
- 2) The marks of class work as well as practical examination in the subject CSE-309 E (Computer Graphics Lab.) has been increased from 25 each to 50 each. Thus the total marks for the subjects shall be 100 in place of 50 from the session 2007-08.



Tommy
**Director,
THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI**

M.D. UNIVERSITY, ROHTAK

Scheme of studies & Examination Bachelor of Technology (Information Technology) Semester - VI 'F' Scheme effective from 2010-11

S. No.	Course No.	Subject	Teaching Schedule				Examination Schedule				Duration of Exam (Hours)
			L	T	P	Total	Marks of Class work	Theory	Practical	Total	
1	IT-302 F	Network Programming	3	1		4	50	100	-	150	3
2	CSE-302 F	Principles of Software Engineering (CSE,IT)	3	1	-	4	50	100	-	150	3
3	CSE-304 F	Intelligent Systems (CSE,IT)	3	1	-	4	50	100	-	150	3
4	CSE-307 F	Web Development (Common with CSE – V Sem.)	3	1	-	4	50	100	-	150	3
5	EE-402-F	Wireless Communication (CSE, IT and Common with 8 Sem-EL)	3	1	-	4	50	100	-	150	3
6	MATHE-302-F	Operations Research (Common with CSE 8th Semester)	3	1	-	4	50	100	-	150	3
7	IT-304 F	Network Programming Lab. (EL,IT, AEI)	-	-	2	2	50	-	50	100	3
8	CSE-306 F	Intelligent Systems Lab. (CSE,IT)	-	-	3	3	25	-	25	50	3
9	CSE-311 F	Web Development & Core JAVA Lab. (Common with V Sem – CSE)	-	-	2	2	25	-	25	50	3
11	GPIT-302 F	General Proficiency	-	-	-	-	50	-	-	50	
		TOTAL	8	6	7	31	425	600	75	1150	-

Note:

- 1) Each student has to undergo practical training of 6 weeks during summer vacation and its evaluation shall be carried out in the VII semester.
- 2) Students will be allowed to use non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.



Tom
Director,
THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI

M.D.UNIVERSITY, ROHTAK
Scheme of Studies & Examination
Bachelor of Technology (Information Technology)
SEMESTER VII
'F' Scheme effective from 2012-13

Sl. No	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam
			L	T	P	Total	Marks of Class work	Theory	Practical	Total	
1	IT-401 F	Data Warehousing & Data Mining	3	1	-	4	50	100	-	150	3
2	CSE-403F	Software Project Management (CSE.IT)	3	1	-	4	50	100	-	150	3
3	IT-403 F	System & Network Administration	3	1	-	4	50	100	-	150	3
4	IT-407 F	Web Engineering	3	1	-	4	50	100	-	150	3
5	CSE-409F	Advanced JAVA	3	1	-	4	50	100	-	150	3
6		DEPTT ELECTIVE	3	1	-	4	50	100	-	150	3
7	IT-409 F	System & Network Administration Lab.	-	-	2	2	25	-	50	75	3
8	IT-411 F	Web Engineering Lab.	-	-	2	2	25	-	50	75	3
9	CSE 415 F	Advanced JAVA Lab	-	-	3	3	50	-	100	150	3
10	IT-415 F	Practical Training-II	-	-	-	-	-	-	-	-	-
TOTAL			18	6	7	31	400	600	200	1200	

List of Deptt Electives

1	IT-421 F	Embedded Systems Design
2	IT-471 F	Management Information Systems
4	IT-407 F	Web Engineering
5	CSE-423 F	Distributed Operating System
6	IT-465F	Network Security & Management
7	CSE-425 F	Digital Image Processing
8	CSE-435 F	Advanced Database Management Systems
9	CSE-437F	Natural Language Processing
10	CSE-439 F	Object Oriented System Development
11	IT-467 F	Computer Software Testing
12	IT-469 F	Logic & Functional Programming
13	CSE-441 F	Human Computer Interaction
14	IT-473 F	High Speed Networks
15	IT-405 F	Introduction to E-Commerce & ERP

Note:

- Students will be allowed to use non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.
- Student will be permitted to opt for any one elective run by the department. However, the departments will offer only those electives for which they have expertise. The choice of the students for any elective shall not be a binding for the department to offer, if the department does not have expertise.
- Assessment of Practical Training-II, undergone at the end of VI semester, will be based on seminar, viva-voce, report and certificate of practical training obtained by the student from the industry. According to performance letter grades A, B, C, F are to be awarded. A student who is awarded 'F' grade is required to repeat Practical Training.



[Signature]
 Director,
 THE TECHNOLOGICAL INSTITUTE
 OF TEXTILE & SCIENCES, BHIWANI

MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES & EXAMINATIONS
B.Tech. 4th YEAR INFORMATION TECHNOLOGY, SEMESTER- VIII

(Proposed Scheme-F)

W.E.F 2012-13

		Subject	Internal Marks	External Marks	Total Marks
1.	IT- 402-F	Industrial Training/Institutional Project Work	150	150	300

Note:

The students are required to undergo Industrial Training or Institutional Project Work of duration not less than 4 months in a reputed organization or concerned institute. The students who wish to undergo industrial training, the industry chosen for undergoing the training should be at least a private limited company. The students shall submit and present the mid-term progress report at the Institute. The presentation will be attended by a committee. Alternately, the teacher may visit the Industry to get the feedback of the students.

The final viva-voce of the Industrial Training or Institutional Project Work will be conducted by an external examiner and one internal examiner appointed by the Institute. External examiner will be from the panel of examiners submitted by the concerned institute approved by the Board of Studies in Engg. & Technology. Assessment of Industrial Training or Institutional Project Work will be based on seminar, viva-voce, report and certificate of Industrial Training or Institutional Project Work obtained by the student from the industry or Institute.

The internal marks distributions for the students who have undergone Industrial Training consist of 50 marks from the industry concern and 100 marks by the committee members consisting of faculty members of concerned department of the parent institute.

The teachers engaged for Institutional Project work shall have a workload of 2 hours per group (at least 4 students) per week.




Director,
THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI

MAHRASHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES & EXAMINATIONS
B.Tech 2nd YEAR MECHANICAL ENGINEERING,
3rd SEMESTER
Proposed 'F' Scheme w.e.f 2010-11

Course	Course Title	Teaching Schedule				Marks for class work	Marks for Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
MAT-201-F or HUM-201-F	Mathematics-III or Engineering Economics	3 or 3	2 or 1	- -	5 or 4	50	100	-	150	3
HUM-203-F	Fundamentals of Management	3	1	-	4	50	100	-	150	3
ME-201-F	Thermodynamics	3	1	-	4	50	100	-	150	3
ME-203-F	Computer Aided Design	3	1	-	4	50	100	-	150	3
ME-205-F	Engineering Mechanics	3	1	-	4	50	100	-	150	3
ME-207-F	Material Science	3	1	-	4	50	100	-	150	3
ME-209-F	Machine Drawing	1	-	3	4	50	-	50	100	4
ME-211-F	Computer Aided Design Lab	-	-	2	2	25	-	25	50	3
ME-213-F	Engineering Mechanics Lab	-	-	2	2	25	-	25	50	3
ME-215-F	Materials Science Lab	-	-	2	2	25	-	25	50	3
Total		19	6	10	34/35	425	600	125	1150	



Director,
 THE TECHNOLOGICAL INSTITUTE
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MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES & EXAMINATIONS
B.Tech 2nd YEAR MECHANICAL ENGINEERING,
4th SEMESTER

Proposed 'F' Scheme w.e.f 2010-11

Course	Course Title	Teaching Schedule				Marks for class work	Marks for Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
MAT-201-F or HUM-201-F	Mathematics-III or Engineering Economics	3 or 3	2 or 1	- -	5 or 4	50	100	-	150	3
ME-202-F	Manufacturing Technology-I	3	1	-	4	50	100	-	150	3
ME-204-F	Kinematics of Machine	3	1	-	4	50	100	-	150	3
ME-206-F	Strength of Materials-I	3	1	-	4	50	100	-	150	3
ME-208-F	Fluid Mechanics	3	1	-	4	50	100	-	150	3
ME-210-F	Steam & Power Generation	3	1	-	4	50	100	-	150	3
ME-212-F	Kinematics of Machine Lab	-	-	2	2	25	-	25	50	3
ME-214-F	Strength of Materials Lab	-	-	2	2	25	-	25	50	3
ME-216-F	Fluid Mechanics Lab	-	-	2	2	25	-	25	50	3
ME-218-F	Steam & Power Generation Lab	-	-	2	2	25	-	25	50	3
GP-202-F	General Proficiency	-	-	2	2	50	-	-	50	-
Total		18	6	9	34/35	450	600	100	1150	



Director,
**THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI**

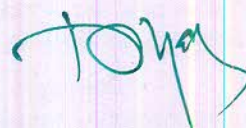
MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES & EXAMINATIONS
B.Tech. 3rd YEAR MECHANICAL ENGINEERING, SEMESTER- V
Proposed 'F' Scheme effective from 2011-12

Course	Course Title	Teaching schedule				Marks For class work	Marks for Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
ME-301-F	Dynamics Of Machines	3	1	-	4	50	100	-	150	3
ME-303-F	Mechanical Machine Design-1	3	2	-	5	50	100	-	150	4
ME-305-F	Fluid Machine	3	1	-	4	50	100	-	150	3
ME-307-F	Internal Combustion Engines & Gas Turbines	3	1	-	4	50	100	-	150	3
ME-309-F	Manufacturing Technology –II	3	1	-	4	50	100	-	150	3
ME-311-F	Applied Numerical Technique & Computing	3	-	-	3	50	100	-	150	3
ME-313-F	Dynamics Of Mechanics Lab	-	-	2	2	25	-	25	50	3
ME-315-F	Fluid Machine Lab	-	-	2	2	25	-	25	50	3
ME-317-F	Internal Combustion Engines & Gas Turbines Lab	-	-	2	2	25	-	25	50	3
ME-319-F	Manufacturing Technology –II Lab	-	-	2	2	25	-	25	50	3
ME-321-F	Applied Numerical Technique & Computing Lab	-	-	2	2	50	-	-	50	-
ME-323-F	Practical Training Viva-Voce	-	-	2	2	-	-	-	-	-
	Total	18	6	12	36	450	600	100	1150	

Note:

- 1) Students will be allowed to use non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.
- 2) Assessment of Practical Training-I, undergone at the end of IV semester, will be based on seminar, viva-voce, report and certificate of practical training obtained by the student from the industry. According to performance letter grades A, B, C, F are to be awarded. A student who is awarded 'F' grade is required to repeat Practical Training.





Director,
 THE TECHNOLOGICAL INSTITUTE
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MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES & EXAMINATIONS
B.Tech. 3rd YEAR MECHANICAL ENGINEERING, SEMESTER- VI
Proposed "F" Scheme effective from 2011-12

Course	Course Title	Teaching schedule				Marks For class work	Marks for Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
ME-302-F	Automobile Engineering	3	1	-	4	50	100	-	150	3
ME-304-F	Mechanical Machine Design-II	3	2	-	5	50	100	-	150	4
ME-306-F	Heat Transfer	3	1	-	4	50	100	-	150	3
ME-308-F	Automatic Control	3	1	-	4	50	100	-	150	3
ME-310-F	Measurement & instrumentation	3	1	-	4	50	100	-	150	3
ME-312-F	Industrial Engineering	3	1	-	4	50	100	-	150	3
ME-314-F	Automobile Engineering Lab	-	-	2	2	25	-	25	50	3
ME-316-F	Heat Transfer Lab	-	-	2	2	25	-	25	25	3
ME-318-F	Measurement & instrumentation Lab	-	-	2	2	25	-	25	25	3
ME-320-F	General Proficiency	-	-	2	2	50	-	-	50	-
	Total	18	7	8	33	450	600	100	1050	

NOTE:

1. Students will be allowed to use non-programmable scientific calculator. However, sharing of Calculator will not be permitted in the examination.
2. Each student has to undergo practical training of 6 weeks during summer vacation and its evaluation shall be carried out in the VII semester



Director,
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MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES & EXAMINATIONS
B.Tech. 4th YEAR MECHANICAL ENGINEERING, SEMESTER- VII
(Scheme-F)
EFFECTIVE FROM THE SESSION 2012-13

Course	Course Title	Teaching schedule				Marks For class work	Marks for Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
ME-401-F	Strength of Material-II	3	1	-	4	50	100	-	150	3
ME-403-F	Refrigeration & Air-Conditioning	3	1	-	4	50	100	-	150	3
ME-405-F	Operation Research	3	1	-	4	50	100	-	150	3
ME-407-F	Power Plant Engineering	3	1	-	4	50	100	-	150	3
ME-409-F	Mechanical Vibration	3	1	-	4	50	100	-	150	3
-----	Elective	3	1	-	4	50	100	-	150	3
ME-411-F	Refrigeration & Air-Conditioning Lab	-	-	2	2	50	-	50	100	3
ME-413-F	Advanced CAD/CAM Lab	-	-	2	2	50	-	100	150	3
ME-415-F	Practical Training-II	-	-	2	2	-	-	-	-	-
GFME-435-F	General Fitness for the Profession	-	-	-	-	-	-	50	50	3
	Total	18	6	6	30	400	600	200	1200	

LIST OF ELECTIVES

S.NO.	SUBJECT CODE	DEPTT. ELECTIVE
1.	ME-417-F	QUALITY ENGINEERING
2.	ME 419-F	FINITE ELEMENT METHODS
3.	ME-421-F	ENERGY MANAGEMENT PRINCIPLES
4.	ME- 425-F	COMPUTER INTEGRATED MANUFACTURING
5.	ME- 429-F	RELIABILITY ENGINEERING
6.	ME-431-F	SOLAR ENERGY ENGINEERING



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MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES & EXAMINATIONS
B.Tech. 4th YEAR MECHANICAL ENGINEERING, SEMESTER- VIII
(Scheme-F)
EFFECTIVE FROM THE SESSION 2012-13

Sl. No.	Course No.	Subject	Internal Marks	External Marks	Total Marks
1.	ME- 402-F	Industrial Training/Institutional Project Work	150	150	300

Note:

The students are required to undergo Industrial Training or Institutional Project Work of duration not less than 4 months in a reputed organization or concerned institute. The students who wish to undergo industrial training, the industry chosen for undergoing the training should be at least a private limited company. The students shall submit and present the mid-term progress report at the Institute. The presentation will be attended by a committee. Alternately, the teacher may visit the Industry to get the feedback of the students.

The final viva-voce of the Industrial Training or Institutional Project Work will be conducted by an external examiner and one internal examiner appointed by the Institute. External examiner will be from the panel of examiners submitted by the concerned institute approved by the Board of Studies in Engg. & Technology. Assessment of Industrial Training or Institutional Project Work will be based on seminar, viva-voce, report and certificate of Industrial Training or Institutional Project Work obtained by the student from the industry or Institute.

The internal marks distributions for the students who have undergone Industrial Training consist of 50 marks from the industry concern and 100 marks by the committee members consisting of faculty members of concerned department of the parent institute.

The teachers engaged for Institutional Project work shall have a workload of 2 hours per group (at least 4 students) per week.



A handwritten signature in green ink, appearing to be "D. Singh".

Director,
THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI

M.D UNIVERSITY
SCHEME OF STUDIES AND EXAMINATION
B.Tech II YEAR (ELECTRONICS & COMMUNICATION ENGINEERING)
SEMESTER III

*'F' Scheme effective from 2010-11

Sr No	Course Title	Teaching Schedule				Marks of Class Work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
HUM-201-F OR MATH-201-F	ENGG. ECONOMICS OR MATHEMATICS - III	3	1	-	4	50	100	-	150	3
HUM-203-F	FUNDAMENTALS OF MANAGEMENT (COMMON FOR ALL BRANCHES)	3	1	-	4	50	100	-	150	3
EE-201-F	ELECTRONICS DEVICES & CIRCUITS(ECE,EI,EE,EEE,IC)	3	1	-	4	50	100	-	150	3
EE-203-F	NETWORK THEORY (ECE,ELEE,EEE,IC)	3	1	-	4	50	100	-	150	3
EE-205-F	ELECTROMECHANICAL ENERGY CONVERSION(ECE,EI,IC)	3	1	-	4	50	100	-	150	3
CSE-201-F	DATA STRUCTURE USING 'C' (ECE,EI,CSE,IT)	3	1	-	4	50	100	-	150	3
EE-221-F	ELECTRONIC WORKSHOP, PCB DESIGN & CIRCUIT LAB(ECE,EI)	-	-	2	2	25	-	25	50	3
EE-223-F	NETWORK THEORY LAB(ECE,EI,EE,EEE,IC)	-	-	2	2	25	-	25	50	3
EE-225-F	ELECTRICAL WORKSHOP & MACHINE LAB (ECE,EI)	-	-	3	3	50	-	50	100	3
CSE-205-F	DATA STRUCTURE USING 'C' Lab (ECE,EI,CSE,IT)	-	-	2	2	25	-	25	50	3
	TOTAL	18	7	9	33 Or 34	425	600	125	1150	

NOTE:

1. Students will be allowed to use non-programmable scientific calculator. However, Sharing of Calculator and other material will not be permitted in the examination.



Director,
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M.D UNIVERSITY
SCHEME OF STUDIES AND EXAMINATION
BE. II YEAR (ELECTRONICS & COMMUNICATION ENGINEERING)
SEMESTER – IV
'F' Scheme effective from 2010-11

Course No.	Course Title	Teaching Schedule				Marks of Class Work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
HUM-201-F OR MATH-201-F	ENGG. ECONOMICS OR MATHEMATICS - III	3	1	-	4	50	100	-	150	3
EE-228-F	SIGNALS & SYSTEMS(ECE,EI)	3	-	-	3	50	100	-	150	3
EE-202-F	ANALOG ELECTRONICS (ECE,EI,EE,EEE,IC)	3	1	-	4	50	100	-	150	3
EE-204-F	DIGITAL ELECTRONICS (ECE,EI,EE,EEE,IC)	3	1	-	4	50	100	-	150	3
EE-206-F	COMMUNICATION SYSTEMS(ECE)	3	1	-	4	50	100	-	150	3
EE-208-F	ELECTRO MAGNETIC THEORY (ECE,EI,EE,EEE,IC)	3	1	-	4	50	100	-	150	3
EE-222-F	ANALOG ELECTRONICS LAB(ECE,EI,EE,EEE,IC)	-	-	2	2	25	-	25	50	3
EE-224-F	DIGITAL ELECTRONICS LAB(ECE,EI,EE,EEE,IC)	-	-	2	2	25	-	25	50	3
EE-226-F	COMMUNICATION SYSTEMS LAB (ECE)	-	-	2	2	25	-	25	50	3
MATH-204-F	NUMERICAL METHODS OF COMPUTATIONAL PROGRAMMING LAB(ECE,EI,EE,EEE,IC)	1	1	2	4	25	-	25	50	3
GP-202-F	GENERAL PROFICIENCY (COMMON FOR ALL BRANCHES)	-	-	2	2	50	-	-	50	3
	TOTAL	19	6 Or 7	10	35 Or 36	450	600	100	1150	

Note:

1. Students will be allowed to use non-programmable scientific calculator. However, sharing of Calculator and other materials will not be permitted in the examination.
2. Each student has to undergo practical training of 6 weeks during summer vacation and its evaluation shall be carried out in the V semester.



Director,
 THE TECHNOLOGICAL INSTITUTE
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M.D UNIVERSITY
SCHEME OF STUDIES AND EXAMINATION
BTech. III YEAR (ELECTRONICS & COMMUNICATION ENGINEERING)
SEMESTER V

Modified 'F' Scheme effective from 2011-12

Course No.	Course Title	Teaching Schedule				Marks of Class Work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
EE-301-F	COMMUNICATION Engg.	3	1	-	4	50	100	-	150	3
EE-303-F	ELECTRONIC MEASUREMENT & INSTRUMENTATION (EL,EI,IC,EE,EEE,AEI)	3	1	-	4	50	100	-	150	3
EE-305-F	ANALOG ELECTRONIC CIRCUITS (EL,EI,IC,EE,EEE,AEI)	3	1	-	4	50	100	-	150	3
EE-307-F	ANTENNAS,WAVE PROPAGATION& TV Engg.	3	1	-	4	50	100	-	150	3
CSE-210-F	COMPUTER ARCHITECTURE AND ORGANISATION (EL,EI,IC,Common with IV sem. CSE,IT)	3	1	-	4	50	100	-	150	3
EE-309-F	MICROPROCESSORS AND INTERFACING (EL,EI,IC,CSE,IT,EEE,AEI)	3	1	-	4	50	100	-	150	3
EE-323-F	ELECTRONIC MEASUREMENT & INSTRUMENTATION LAB (EL,EI,IC,EE)	-	-	2	2	25	-	25	50	3
EE-325-F	ANALOG ELECTRONIC CIRCUITS LAB (EL,EI,IC)	-	-	2	2	25	-	25	50	3
EE-329-F	MICROPROCESSORS AND INTERFACING LAB (EL,EI,IC,CSE,IT,EEE,AEI)	-	-	2	2	25	-	25	50	3
EE-335-F	PRACTICAL TRAINING			2	2		-			
GPECE30 I-F	GERNERAL PROFICIENCY					50			50	3
	TOTAL	18	6	8	32	425	600	75	1100	

Note:

- 1) Students will be allowed to use non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.
- 2) Assessment of Practical Training-I, undergone at the end of IV semester, will be based on seminar, viva-voce, report and certificate of practical training obtained by the student from the industry. According to performance letter grades A, B, C, F are to be awarded. A student who is awarded 'F' grade is required to repeat Practical Training.



Director,
THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI

M.D UNIVERSITY, ROHTAK
SCHEME OF STUDIES AND EXAMINATION
B.Tech. III YEAR (ELECTRONICS & COMMUNICATION ENGINEERING)
SEMESTER - VI

Modified 'F' Scheme effective from 2011-12

Course No.	Course Title	Teaching Schedule				Marks of Class Work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
EE-302-F	MICROWAVE AND RADAR ENGINEERING	3	1	-	4	50	100	-	150	3
EE-304--F	CONTROL SYTEMS ENGG. (EL,EE, EEE)	3	1	-	4	50	100	-	150	3
EE-306-F	VLSI Design	3	1	-	4	50	100	-	150	3
IT-305-F	COMPUTER NETWORKS	3	1	-	4	50	100	-	150	3
EE-310-F	DIGITAL SYSTEM DESIGN (EL,EI, IC,EE,CSE, AEI)	3	1	-	4	50	100	-	150	3
EE-308-F	MICROCONTROLLER & EMBEDDED SYSTEM	3	1	-	4	50	100	-	150	3
EE-328-F	MICROCONTROLLER & EMBEDDED SYSTEM LAB	-	-	2	2	25	-	25	50	3
EE-326-F	DIGITAL SYSTEM DESIGN LAB (EL,EI, IC,EE,CSE, AEI)	-	-	2	2	25	-	25	50	3
EE-322-F	MICROWAVE AND RADAR LAB	-	-	2	2	25	-	25	50	3
EE-324-F	CONTROL SYTEMS ENGG. LAB (EL,EE, EEE,AEI)	-	-	2	2	25	-	25	50	3
	TOTAL	18	6	8	32	400	600	100	1100	

NOTE:

1. Students will be allowed to use non-programmable scientific calculator. However, sharing of Calculator will not be permitted in the examination.
2. Each student has to undergo practical training of 6 weeks during summer vacation and its evaluation shall be carried out in the VII semester.



[Handwritten Signature]

Director,
THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI

M.D. UNIVERSITY, ROHTAK

Scheme of studies & Examination
B. Tech. (Electronics and Communication Engg.)

SEMESTER VIII

F ' Scheme Effective from 2012-2013

Training of Six Months

Course No.	Course Title	Teaching Schedule				Marks of Class Work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
ECE-402-F	Industrial Training /Institutional Project work	-	-	8	8	150	-	150	300	-
	Total			8	8					

Note:

1. The students are required to undergo Industrial Training or Institutional Project work of duration not less than 4 months in a reputed organization or concerned institute. The student who wish to undergo industrial training, the industry chosen for should be a private limited company. The final Viva-voca of the industrial training or Institutional Project work will be conducted by the external examiner and one internal examiner appointed by the institute. External examiner will be from penal of examiner.
2. Assessment of traing or project will be based on Seminar, viva-voca, report and certificate of Industrial Training or Institutional project work.
3. The internal marks distribution for students who have undergone Industrial training consist of 50 marks from the Industry concern and 100 Marks by the committee members consisting of faculty members of concerned department of the present institute.
4. The teacher engaged for institutional project work shall have a workload of 2 hours per group (at least 4 students per work)



Director,
THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI

M.D. UNIVERSITY, ROHTAK

Scheme of studies & Examination
B. Tech. (Electronics and Communication Engg.)

SEMESTER VII

F ' Scheme Effective from 2012-2013

Course No.	Course Title	Teaching Schedule				Marks of Class Work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
ECE-405-F	WIRELESS COMMUNICATION	3	1	-	4	50	100	-	150	3
ECE-403-F	SATELITE COMMUNICATION ENGINEERING	3	1	-	4	50	100	-	150	3
ECE-407-F	DATA COMMUNICATION	3	1	-	4	50	100	-	150	3
ECE-415-F	OPTICAL COMMUNICATION SYSTEMS	3	1	-	4	50	100	-	150	3
ECE-409-F	*Dept Elective-I	3	1	-	4	50	100	-	150	3
	Digital Signal Processing	3	1	-	4	50	100	-	150	3
ECE-423-F	Wireless & Satellite Communication Lab	-	-	3	3	50	-	50	100	3
ECE-427-F	Digital Signal Processing Lab	-	-	2	2	25	-	25	50	3
ECE-429-F	Data Communication Lab	-	-	3	3	50	-	50	100	3
GFEE-401-F	General Fitness For The Profession	-	-	-	-	-	-	50	50	3
ECE-404-F	Practical Training II	-	-	-	-	-	-	-	-	-
TOTAL		18	6	8	32	425	600	175	1200	



Director,
THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI

M.D UNIVERSITY
SCHEME OF STUDIES AND EXAMINATION
B.Tech II YEAR (ELECTRONICS & INSTRUMENTATION ENGINEERING)
SEMESTER III
'F' Scheme effective from 2010-11

Course No.	Course Title	Teaching Schedule				Marks of Class Work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
HUM-201-F OR MATH-201-F	ENGG. ECONOMICS OR MATHEMATICS - III	3	1	-	4	50	100	-	150	3
HUM-203-F	FUNDAMENTALS OF MANAGEMENT (COMMON FOR ALL BRANCHES)	3	1	-	4	50	100	-	150	3
EE-201-F	ELECTRONICS DEVICES & CIRCUITS (ECE,EI,EE,EEE,IC)	3	1	-	4	50	100	-	150	3
EE-203-F	NETWORK THEORY (ECE,EI,EE,EEE,IC)	3	1	-	4	50	100	-	150	3
EE-205-F	ELECTROMECHANICAL ENERGY CONVERSION (ECE,EI,IC)	3	1	-	4	50	100	-	150	3
CSE-201-F	DATA STRUCTURE USING 'C' (ECE,EI,CSE,IT)	3	1	-	4	50	100	-	150	3
EE-221-F	ELECTRONIC WORKSHOP, PCB DESIGN & CIRCUIT LAB (ECE,EI)	-	-	2	2	25	-	25	50	3
EE-223-F	NETWORK THEORY LAB (ECE,EI,EE,EEE,IC)	-	-	2	2	25	-	25	50	3
EE-225-F	ELECTRICAL WORKSHOP & MACHINE LAB (ECE,EI)	-	-	3	3	50	-	50	100	3
CSE-205-F	DATA STRUCTURE USING 'C' Lab (ECE,EI,CSE,IT)	-	-	2	2	25	-	25	50	3
TOTAL		18	7	9	33 Or 34	425	600	125	1150	

NOTE:

1. Students will be allowed to use non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.



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M.D UNIVERSITY
SCHEME OF STUDIES AND EXAMINATION
BE. II YEAR (ELECTRONICS & INSTRUMENTATION ENGINEERING)
SEMESTER – IV
Modified 'F' Scheme effective from 2009-10

Course No.	Course Title	Teaching Schedule				Marks of Class Work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
HUM-201-F OR MATH-201-F	ENGG. ECONOMICS	3	1	-	4	50	100	-	150	3
	MATHEMATICS - III	3	2	-	5					
EEE 228-F	SIGNALS & SYSTEMS(ECE,ED)	3	-	-	3	50	100	-	150	3
EE-202-F	ANALOG ELECTRONICS(ECE,EI,EE,EEE,IC)	3	1	-	4	50	100	-	150	3
EE-204-F	DIGITAL ELECTRONICS(ECE,EI,EE,EEE,IC)	3	1	-	4	50	100	-	150	3
EI-210-F	ELECTRONICS MEASUREMENT & MEASURING INSTRUMENTS (EI)	3	1	-	4	50	100	-	150	3
EE-208-F	ELECTRO MAGNETIC THEORY (ECE,EI,EE,EEE,IC)	3	1	-	4	50	100	-	150	3
EE-222-F	ANALOG ELECTRONICS LAB(ECE,EI,EE,EEE,IC)	-	-	2	2	25	-	25	50	3
EE-224-F	DIGITAL ELECTRONICS LAB(ECE,EI,EE,EEE,IC)	-	-	2	2	25	-	25	50	3
EI-202-F	ELECTRONICS MEASUREMENT & MEASURING INSTRUMENTS LAB (EI)	-	-	2	2	25	-	25	50	3
MATH-204-F	NUMERICAL METHODS OF COMPUTATIONAL PROGRAMMING LAB(ECE,EI,EE,EEE,IC)	1	1	2	4	25	-	25	50	3
GP-202-F	GENERAL PROFICIENCY (COMMON FOR ALL BRANCHES)	-	-	2	2	50	-	-	50	3
	TOTAL	19	6 Or 7	10	35 Or 36	450	600	100	1150	

Note:

- Students will be allowed to use non-programmable scientific calculator. However, sharing of Calculator and other materials will not be permitted in the examination.
- Each student has to undergo practical training of 6 weeks during summer vacation and its evaluation shall be carried out in the V semester.



[Signature]
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M.D UNIVERSITY
SCHEME OF STUDIES AND EXAMINATION
B.Tech. III YEAR (ELECTRONICS & INSTRUMENTATION ENGINEERING)
SEMESTER V
'F' Scheme effective from 2011-12

Course No.	Course Title	Teaching Schedule				Marks of Class Work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
EI-301-F	ANALOG ELECTRONICS-II	3	1	-	4	50	100	-	150	3
EI-303-F	ADVANCED MEASUREMENT & MEASURING INSTRUMENTS	3	1	-	4	50	100	-	150	3
EI-305-F	CONTROL ENGINEERING	3	1	-	4	50	100	-	150	3
EE-307-F	ANTENNAS, WAVE PROPAGATION & TV ENGG. (EI,ECE)	3	1	-	4	50	100	-	150	3
EE-309-F	MICROPROCESSORS AND INTERFACING (EL,EI,IC,CSE,IT,EEE,AEI)	3	1	-	4	50	100	-	150	3
EI-311-F	RANDOM VARIABLES & STOCHASTIC PROCESSES	3	1	-	4	50	100	-	150	3
EI-321-F	CONTROL ENGINEERING LAB	-	-	2	2	25	-	25	50	3
EI-325-F	ANALOG ELECTRONICS-II LAB	-	-	2	2	25	-	25	50	3
EE-329-F	MICROPROCESSORS AND INTERFACING LAB (EL,EI,IC,CSE,IT,EEE,AEI)	-	-	2	2	25	-	25	50	3
EI-323-F	PROGRAMMING WITH MATLAB			2	2	25	-	25	50	3
EE-335-F	PRACTICAL TRAINING-I		-	2	2		-			
TOTAL		18	6	10	34	400	600	100	1100	

Note:

- 1) Students will be allowed to use non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.
- 2) Assessment of Practical Training-I, undergone at the end of IV semester, will be based on seminar, viva-voce, report and certificate of practical training obtained by the student from the industry. According to performance letter grades A, B, C, F are to be awarded. A student who is awarded 'F' grade is required to repeat Practical Training.



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**M.D. UNIVERSITY, ROHTAK
SCHEME OF STUDIES & EXAMINATION**

B.Tech. III YEAR (ELECTRONICS & INSTRUMENTATION ENGINEERING)

SEMESTER – VI

'F' Scheme effective from 2012-13

Course No.	Course Title	Teaching Schedule				Marks of Class Work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
EI-302-F	INDUSTRIAL ELECTRONICS	3	1	-	4	50	100	-	150	3
EI-304-F	COMMUNICATION CIRCUIT & SYSTEMS	3	1	-	4	50	100	-	150	3
EE-312-F	MICROCONTROLLER S & EMBEDDED SYSTEMS (COMMON WITH ECE)	3	1	-	4	50	100	-	150	3
IT-305-F	COMPUTER NETWORKS (EI,ECE, CSE, IT)	3	1	-	4	50	100	-	150	3
EE-310-F	DIGITAL SYSTEM DESIGN (IC,EE,EEE,ECE,CSE,)	3	1	-	4	50	100	-	150	3
CSE-210-F	COMPUTER ARCHITECTURE & ORGANIZATION (common with 4th sem CSE)	3	1	-	4	50	100	-	150	3
EI-326-F	COMMUNICAION CIRCUITS & SYSTEMS LAB	-	-	2	2	25	-	25	50	3
EE-330-F	DIGITAL SYSTEM DESIGN LAB (IC,EE,EEE,ECE,CSE,)	-	-	2	2	25	-	25	50	3
CSE-310-F	COMPUTER NETWORKS LAB	-	-	2	2	25	-	25	50	3
EI-324-F	CIRCUIT SIMULATION & PCB DESIGN LAB	-	-	2	2	25	-	25	50	
	TOTAL	18	6	8	32	400	600	100	1100	

- Note: Students will be allowed to use non-programmable scientific calculator. However, sharing of Calculator will not be permitted in the examination.
- Each student has to undergo practical training of 6 weeks during summer vacation and its evaluation shall be carried out in the VII semester.



Tom
Director,
THE TECHNOLOGICAL INSTITUTE
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M.D. UNIVERSITY, ROHTAK

Scheme of studies & Examination
B. Tech. (Electronics and Communication Engg.)

SEMESTER VII

F ' Scheme Effective from 2012-2013

Course No.	Course Title	Teaching Schedule				Marks of Class Work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
ECE-405-F	WIRELESS COMMUNICATION	3	1	-	4	50	100	-	150	3
ECE-403-F	SATELITE COMMUNICATION ENGINEERING	3	1	-	4	50	100	-	150	3
ECE-407-F	DATA COMMUNICATION	3	1	-	4	50	100	-	150	3
ECE-415-F	OPTICAL COMMUNICATION SYSTEMS	3	1	-	4	50	100	-	150	3
ECE-409-F	*Dept Elective-I	3	1	-	4	50	100	-	150	3
	Digital Signal Processing	3	1	-	4	50	100	-	150	3
ECE-423-F	Wireless & Satellite Communication Lab	-	-	3	3	50	-	50	100	3
ECE-427-F	Digital Signal Processing Lab	-	-	2	2	25	-	25	50	3
ECE-429-F	Data Communication Lab	-	-	3	3	50	-	50	100	3
GFEE-401-F	General Fitness For The Profession	-	-	-	-	-	-	50	50	3
ECE-404-F	Practical Training II	-	-	-	-	-	-	-	-	-
TOTAL		18	6	8	32	425	600	175	1200	



[Signature]
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M.D. UNIVERSITY, ROHTAK

Scheme of studies & Examination
B. Tech. (Electronics and Communication Engg.)

SEMESTER VIII

F ' Scheme Effective from 2012-2013

Training of Six Months

Course No.	Course Title	Teaching Schedule				Marks of Class Work 150	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
ECE-402-F	Industrial Training /Institutional Project work	-	-	8	8	-	150	300	-	
	Total			8	8					

Note:

1. The students are required to undergo Industrial Training or Institutional Project work of duration not less than 4 months in a reputed organization or concerned institute. The student who wish to undergo industrial training, the industry chosen for should be a private limited company. The final Viva-voca of the industrial training or Institutional Project work will be conducted by the external examiner and one internal examiner appointed by the institute. External examiner will be from penal of examiner.
Assessment of traing or project will be based on Seminar, viva-voca, report and certificate of Industrial Training or Institutional project work.
2. The internal marks distribution for students who have undergone Industrial training consist of 50 marks from the Industry concern and 100 Marks by the committee members consisting of faculty members of concerned department of the present institute.
3. The teacher engaged for institutional project work shall have a workload of 2 hours per group (at least 4 students per work)



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MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES & EXAMINATIONS
B. Tech FINAL YEAR TEXTILE TECHNOLOGY (TT)
7th SEMESTER
'F' Scheme w.e.f 2012-13

Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
TT-401-F	High Performance Fibres	3	1	-	4	50	100	-	150	3
TT-403-F	Multifibre Spinning	3	1	-	4	50	100	-	150	3
TT-405-F	Waste Management & Pollution Control OR Production Planning & Quality Management	3	1	-	4	50	100	-	150	3
TT-407-F	Engineering of Textile Structures-I	3	1	-	4	50	100	-	150	3
TT-409-F	Textile Costing	3	1	-	4	50	100	-	150	3
HUM-411-F	Finance, Material and Human Resource Management	3	1	-	4	50	100	-	150	3
TT-413-F	Spinning Practical – V	-	-	3	3	50	-	50	100	4
TT-415-F	Weaving Practical – V	-	-	3	3	50	-	50	100	4
TT-417-F	Mill Practice	-	-	-	-	100	-	200	300	4
TT-418-F	Seminar	-	-	2	2	-	-	-	-	-
TT-419-F	Project Work (Mid Term Evaluation)	-	-	2	2	100	-	-	100	Viva
Total		18	6	10	34	600	600	300	1500	



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MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES & EXAMINATIONS
B. Tech FINAL YEAR TEXTILE TECHNOLOGY (TT)
8th SEMESTER
'F' Scheme w.e.f 2012-13

Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
TT-402-F	Post Extrusion Operations	3	1	-	4	50	100	-	150	3
TT-404-F	Spinning Technology	3	1	-	4	50	100	-	150	3
TT-406-F	Complex Textiles	3	1	-	4	50	100	-	150	3
TT-408-F	Engineering of Textile Structures-II	3	1	-	4	50	100	-	150	3
TT-410-F	Technical Textiles OR Global Scenario of Textile Industry	3	1	-	4	50	100	-	150	3
CSE-412-F	Computer Network & Applications	3	1	-	4	50	100	-	150	3
TT-414-F	Textile Colour & Design	-	-	3	3	50	-	50	100	4
TT-416-F	Computer Networking Practical	-	-	3	3	50	-	50	100	4
TT-418-F	Seminar	-	-	2	2	200	-	-	200	-
TT-420-F	Project Work	-	-	2	2	100	-	100	200	Viva
Total		18	6	10	34	700	600	200	1500	



MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES AND EXAMINATION
B.TECH (TEXTILE CHEMISTRY) SEMESTER-VII (2012-13)
'F' scheme w.e.f 2012-13

Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
TC 401-F	Textile Chemical Testing	3	1	-	4	50	100	-	150	3
TC 403-F	Textile Finishing-II	3	1	-	4	50	100	-	150	3
TT 405-F	Production Planning & Quality Management OR Waste Management & Pollution Control (common with TT)	3	1	-	4	50	100	-	150	3
TC 407-F	Wet Processing Machinery	3	1	-	4	50	100	-	150	3
TC 409-F	Theory of Coloration and Computer Colour Matching	3	1	-	4	50	100	-	150	3
HUM411-F	Finance, Material and Human Resource Management (common with TT)	3	1	-	4	50	100	-	150	3
TC 413-F	Colour Measurement & CCM lab	-	-	3	3	50	-	50	100	4
TC 415-F	Textile Finishing Lab	-	-	3	3	50	-	50	100	4
TC 417-F	Mill Practice	-	-	-	-	100	-	200	300	Viva
TC 418-F	Seminar	-	-	2	2	-	-	-	-	-
TC 419-F	Project Work (Mid Term Evaluation)	-	-	2	2	100	-	-	100	Viva
Total		18	6	10	34	600	600	300	1500	

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B.TECH (TEXTILE CHEMISTRY) SEMESTER-VIII (2012-13)

Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
TT 402-F	Post Extrusion Operations (common with TT)	3	1	-	4	50	100	-	150	3
TC 404-F	Developments in Textile Chemical Processing	3	1	-	4	50	100	-	150	3
TC 406-F	Process Control in Chemical Processing	3	1	-	4	50	100	-	150	3
TC 408-F	Knitting & Knit Processing OR Eco-friendly Processing and Manufacturing of Textiles	3	1	-	4	50	100	-	150	3
TT 410-F	Technical Textiles OR Global Scenario of Textile Industry (Common with TT)	3	1	-	4	50	100	-	150	3
CSE 412-F	Computer Network & Applications (common with TT)	3	1	-	4	50	100	-	150	3
TT 414-F	Textile Colour & Design (common with TT)	-	-	3	3	50	-	50	100	4
CSE 416-F	Computer Networking Practical (common with TT)	-	-	3	3	50	-	50	100	4
TC 418-F	Seminar	-	-	2	2	200	-	-	200	Viva
TC 420-F	Project Work	-	-	2	2	-	-	200	200	Viva
Total		18	6	10	34	600	600	300	1500	

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MAHARSHI DAYANAND UNIVERSITY, ROHTAK
SCHEME OF STUDIES AND EXAMINATION
B.TECH (FASHION & APPAREL ENGG) SEMESTER-VIII
'F' Scheme
EFFECTIVE FROM THE SESSION 2012-13

Course No.	Course Title	Teaching Schedule				Marks of Class work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theor	Practical		
FA-402-F	High Tech Garments	3	1	-	4	50	100	-	150	3
FA-404-F	Quality Assurance in Apparel Industry	3	1	-	4	50	100	-	150	3
FA-406-F	Fashion Accessories	3	1	-	4	50	100	-	150	3
FA-408-F	Retailing and Fashion Promotion	3	1	-	4	50	100	-	150	3
FA-410-F	Chemical & Mechanical Finishing of Textiles	3	1	-	4	50	100	-	150	3
FA-412-F	Advance Apparel Construction Techniques <u>OR</u> Home Fashions	3	1	-	4	50	100	-	150	3
FA-414-F	Apparel Draping & Grading	-	-	3	3	50	-	50	100	4
FA-416-F	Advance Apparel Construction Lab <u>OR</u> Home Fashions Lab	-	-	3	3	50	-	50	100	4
FA-418-F	Seminar	-	-	2	2	200	-	-	200	4
FA-420-F	Project Work	-	-	2	2	100	-	100	200	4
Total		18	6	10	34	700	600	200	1500	



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**CURRICULUM AND SCHEME OF EXAMINATIONS OF
BBA PROGRAMME FROM THE SESSION 2014-15**

SECOND YEAR

Third Semester

Paper No	Title of Paper(s)	External Marks	Internal Assessment/ Work-shop Marks	Practical Marks	Total Marks
BBAN301	Cost and Management Accounting	80	20	-	100
BBAN302	Marketing Management	80	20	-	100
BBAN303	Capital Markets	80	20	-	100
BBAN304	Introduction to Information Technology	50	-	50	100
BBAN305	Environment Studies	80	20	-	100
BBAN306	Disaster Management	80	20	-	100
	TOTAL				600

Fourth Semester

Paper No	Title of Paper(s)	External Marks	Internal Assessment/ Work-shop Marks	Practical Marks	Total Marks
BBAN401	Financial Management	80	20	-	100
BBAN402	Human Resource Management	80	20	-	100
BBAN403	Business Research Methods	80	20	-	100
BBAN404	Business Laws	80	20	-	100
BBAN405	Data Base Management System	50	-	50	100
BBAN406	Human Rights and Values	80	20	-	100
	TOTAL				600

Session 2014-15




 Director
 The Technological Institute of Textile & Sciences
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M.D. UNIVERSITY
SCHEME OF STUDIES AND EXAMINATION
M.TECH 1st YEAR (COMPUTER SCIENCE & ENGINEERING)
SEMESTER 2nd
CBCS Scheme effective from 2016-17

Sr. No	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)	No of hours /week
			L	T	P	Total Credits	Marks of Class works	Theory	Practical	Total		
1	16CSE22C1	Soft Computing	4	0	-	4	50	100	-	150	3	4
2	16CSE22C2	Algorithm Design	4	0	-	4	50	100	-	150	3	4
3	16CSE22C3	Seminar	-	-	2	2	50	-	-	50	-	2
4	16CSE22CL1	Soft Computing Lab	-	-	2	2	50	-	50	100	3	2
5	16CSE22CL2	Algorithm Design Lab	-	-	2	2	50	-	50	100	3	2
6	16CSE22D1 or 16CSE22D2 or 16CSE22D3 or 16CSE22D4	Elective-1	4	0	-	4	50	100	-	150	3	4
7		Open Elective				3						3
8		Foundation Elective				2						2
						23						

NOTE: Examiner will set nine question in total. Question One will be compulsory and will comprises of all section and remaining eight questions to be set by taking two questions from each unit. The students have to attempt five questions in total, first being compulsory and selecting one from each Unit.

Elective 1 : Choose any one from the following papers

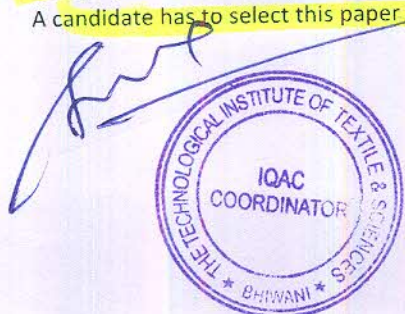
- 16CSE22D1 Mobile and Wireless Communication
- 16CSE22D2 Optimization Techniques
- 16CSE22D3 Discrete Mathematics
- 16CSE22D4 Internet and Web Development

Elective 2

A candidate has to select this paper from the pool of Open Electives provided by the University

Elective 3

A candidate has to select this paper from the pool of Foundation Electives provided by the University.



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