

DEPARTMENT OF TECHNICAL EDUCATION

From
The Commissioner of Technical Education
Directorate of Technical Education
Guindy
Chennai-600025

To
The Principals of Government,
Government Aided and
Self Financing Polytechnic Colleges

Letter No: 47178/Y3/CDC/2011 dated 17.8.2012

Sir/Madam

Sub: L-Scheme II and III Year Diploma in Engineering and Technology,
Modern Office Practice – relevant papers – Regarding.

The syllabus for the L-Scheme II and III Year Diploma in Engineering and Technology and Modern Office Practice have been revised and implemented for the students admitted from the academic year 2011-12. The relevant papers for 'K-Scheme' to 'L-Scheme' have been enclosed herewith.

All the Principals of Government, Government Aided and Self Financing Polytechnic Colleges are requested to follow this meticulously and the same has to be made available to the concerned HODs, Staff and the students.

Encl: Annexure

(Sd/-)
Commissioner of Technical Education

DIPLOMA IN CIVIL ENGINEERING
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER
(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
11031	Engineering Mechanics	21031	Engineering Mechanics
11032	Construction Materials and Practice	21032	Construction Materials and Construction Practice
11033	Surveying	21043	Surveying II (w.e.f. April 2013)
11034	Civil Engineering Drawing I	21034	Civil Engineering Drawing - I
11035	Material Testing Lab Practice I	21035	Material Testing Lab I
11036	Surveying Practice I	21036	Surveying Practice I

IV SEMESTER
(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
11041	Theory of Structures	21041	Theory of Structures
11042	Environmental Engineering	21052	Environmental Engineering and Pollution Control (w.e.f. October 2013)
11043	Transportation Engineering	21042	Transportation Engineering
11044	Material Testing Lab Practice II	21045	Material Testing Lab II
11045	CAD in Civil Engineering Drawing Practice I	21047	CAD in Civil Engineering Drawing I
11046	Surveying Practice II	21046	Surveying Practice II

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
11051	Structural Engineering	21051	Structural Engineering
11052	Quantity Surveying	21044	Estimating and Costing I
11071	Concrete Technology and Advanced Construction	21071	Advanced Construction Technology
11072	Elements of Interior Design	21281	Elements of Interior Design (w.e.f.April 2014)
11054	CAD in Civil Engineering Drawing Practice II	21056	CAD In Civil Engineering Drawing II
11055	Construction Lab Practice	21055	Construction Practice Lab
11011	English Communication Practical	20002	Communication and Life Skills Practical

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
11061	Construction Management with MIS	21061	Construction Management with MIS
11062	Hydraulics	21062	Hydraulics
11081	Town Planning	21082	Town Planning
11082	Water Resource Management	21074	Water Resources Management
11064	Hydraulics and Plumbing Lab	21065	Hydraulics and Plumbing Lab
11065	Computer Application In Civil Engineering	21066	Computer Applications In Civil Engineering
11066	Project Work	21067	Project work

DIPLOMA IN ARCHITECTURAL ASSISTANTSHIP
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER
(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
	Engineering Mechanics	21031	Engineering Mechanics (III sem / Civil Engineering)
	Building Materials	21231	Building Materials (III Sem)
	Survey Theory	21242	Survey Theory (w.e.f.April 2013)
	Building Construction & Detailing	21234	Building Construction and Detailing – I
	Architectural Drawing	21235	Architectural Drawing – I
	Design Studio - Residential Buildings	21247	Architectural Design Studio – I (w.e.f.April 2013)

IV SEMESTER
(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
	Theory of Structures	21041	Theory of Structures (IV Sem / Civil Engineering)
	Environmental Engineering	21052	Environmental Engineering and Pollution Control (V Sem / Civil Engineering w.e.f.October 2013
	History of Architecture	21233	History of Architecture- I
	Architectural work shop		No alternative
	Digital Presentation - 2D	21255	Computer Application in Architecture – I (w.e.f October 2013)
	Design Studio – Institutional Buildings	21256	Architectural Design Studio – II (w.e.f October 2013)

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
	Structural Engineering **	21261	Structural Design (VI Sem) w.e.f April 2014
	Building Services	21084	Building Services (VI Sem / Civil Engineering) w.e.f April 2014
	Elective Theory I: 1. Elements of Interior Design 2. Climatology	21281 21283	Elective Theory I: 1. Elements of Interior Design (VISem) w.e.f April 2014 2. Climatology (VISem) w.e.f April 2014
	English Communication Practical	20002	Communication and life skills practical
	Digital Presentation - 3D		No alternative
	Design Studio – Intelligent Buildings		No alternative

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
	Professional Practice and Project management	21262	Professional Practice & Management (VI Sem)
	Qty. Surveying & Costing	21251	Qty. Surveying & Costing (V Sem)
	Elective - II (i). Town Planning (ii). Landscape Architecture	21282 21254	Elective - II (i). Town Planning (ii). Landscape Design & Detailing (V Sem)
	Computer Aided Rendering Techniques		No alternative
	Structural Detailing & Drawing	21264	Structural Detailing & Drawing (VISem)
	Project work & Viva voce	21267	Project work & Viva-voce (VI Sem)

DIPLOMA IN MECHANICAL ENGINEERING
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER
(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12031	Mechanics of Materials	22031	Strength of Materials
12032	Manufacturing Process	22041	Manufacturing Technology – I (w.e.f April 2013)
12033	Fluid Mechanics and Fluid Power	22032	Fluid Mechanics & Fluid Power
12034	Machine Drawing-CAD	22044	Computer Aided Machine Drawing Practical (w.e.f April 2013)
12035	Mechanics of Materials and Fluid Mechanics Lab	22035	Mechanical Testing & Quality Control Practical
12036	Workshop-I (Smithy, Foundry & Welding)	22045	Manufacturing Technology – I Practical (w.e.f April 2013)

IV SEMESTER
(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12041	Applied Thermodynamics	22042	Thermal Engineering – I
12042	Machine Shop Technology	22052	Manufacturing Technology – II (w.e.f.October 2013)
12043	Electrical and Electronics Engineering	22043	Electrical Drives & Control
12044	Thermodynamics Lab	22055	Thermal Engineering Practical (w.e.f. October 2013)
12045	Electrical and Electronics Engineering Lab	22047	Electrical Drives & Control Practical
12046	Workshop II(Turning, Drilling and Shaping)		No alternative

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12051	Design of Machine Elements	22054	Design of Machine Elements
12052	Thermal Engineering	22051	Thermal Engineering – II
	Elective Theory-I		
12071	Refrigeration and air conditioning	22083	Refrigeration and Air-conditioning (w.e.f. April 2014)
12072	Metrology, Machine Tool Maintenance and Testing		No Equivalent
11011	English Communication Practical	20002	Communication & Life Skills Practical **
	Elective Practical -I		
12073	Refrigeration and air conditioning Lab	22087	Refrigeration and Air-conditioning Practical (w.e.f. April 2014)
12074	Metrology, Machine Tool Maintenance and Testing Lab	22046	Metrology & Measurement and Machine Tool Testing Practical
12056	Workshop-III (Slotting, Planning, Milling, Grinding & CNC Machines)	22056	Manufacturing Technology – II Practical

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12061	Industrial Engineering & Management	22061	Industrial Engineering and Management
12062	Computer Aided Design and Manufacturing	22062	Computer Integrated Manufacturing
	Elective Theory- II		
12081	Automobile Technology	22081	Automobile Engineering
12082	Mechatronics	22082	Robotics
12064	Computer Aided Design and Manufacturing Practical	22064	Computer Integrated Manufacturing Practical
	Elective Practical - II		
12083	Automobile Technology Lab	22085	Automobile Engineering Practical
12084	Mechatronics Lab	22086	Robotics Practical
12066	Project Work, Entrepreneurship, Environment and Disaster Management	22067	Project Work

DIPLOMA IN AUTOMOBILE ENGINEERING

ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER

(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12131	Solid Mechanics and Fluid power Systems	22031	Strength of Materials *
12032	Manufacturing Process*	22041	Manufacturing Technology – I *(w.e.f.April 2013)
12133	Automotive engines	22132	Automobile Engines
12034	Machine Drawing - CAD*	22044	Computer Aided Machine Drawing Practical*(w.e.f.April 2013)
12135	Solid Mechanics and Fluid power systems lab.	22035	Mechanical Testing & Quality Control Practical *
12036	Work shop – I (Smithy, Foundry & Welding)*	22045	Manufacturing Technology – I Practical *(w.e.f.April 2013)

IV SEMESTER

(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12041	Applied Thermodynamics*	22142	Heat Power Engineering.
12042	Machine shop Technology*	22052	Manufacturing Technology – II *(w.e.f.October 2013)
12143	Automotive Electrical & Electronics Systems	22153	Autotronics (w.e.f.October 2013)
12144	Automotive Engines laboratory	22146	Heat Power Engineering Practical
12145	Autotronics Laboratory	22155	Autotronics Practical (w.e.f.October 2013)
12046	Workshop II (Turning, Drilling and Shaping)*	-	No alternative

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12151	Automotive Chassis & Transmission	22133	Automotive Chassis and Transmission
12152	Vehicle Body Engineering	22161	Body Building Engineering.(w.e.f.April 2014)
12153	Industrial management and Road Transport Organization	22151	Industrial Management and Road Transport Organisation
11011	English Communication Practical**	20002	Communication & Life Skills Practical **
12155	Automotive Chassis & Transmission Laboratory	22136	Automotive Chassis and Transmission Practical
12156	Automobile Workshop	22165	Automobile Workshop Practical (w.e.f.April 2014)

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12161	Automotive Maintenance and Pollution Control	22132	Automobile Engines
12062	Computer Aided Design and Manufacturing *	22062	Computer Integrated Manufacturing *
12181	Elective Theory 1. Two & Three wheelers Technology	22181	Elective-II Theory 1. Two and Three Wheeler Technology
12182	2. Tractor and Farm Equipments	22182	2. Tractor and Farm Equipments
12064	Computer Aided design and Manufacturing Practical *	22064	Computer Integrated Manufacturing Practical *
12183	Elective Practical 1. Two & Three wheelers Technology Practical	22184	Elective-II Practical 1. Two and Three Wheeler Technology Practical
12184	2. Tractor and Farm Equipments Practical	22185	2. Tractor and Farm Equipments Practical
12166	Project work, Entrepreneurship, Environment and Disaster management	22167	Project Work**

DIPLOMA IN PRODUCTION ENGINEERING

ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER

(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12031	Mechanics of Materials	22031	Strength of materials
12032	Manufacturing Processes	22041	Manufacturing technology – I(w.e.f April 2013)
12033	Fluid Mechanics & Fluid Power	22032	Fluid Mechanics And Fluid Power
12034	Machine Drawing-CAD	22044	Computer Aided Machine Drawing Practical(w.e.f April 2013)
12035	Mechanics of Materials & Fluid Mechanics Lab	22035	Mechanical Testing And Quality Control Practical
12036	Workshop – I (Smithy, Foundry & Welding)	22045	Manufacturing Technology – I Practical *(w.e.f April 2013)

IV SEMESTER

(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12541	Thermodynamics and Automobile Technology	-	No alternative
12042	Machine Shop Technology	22052	Manufacturing technology – II (w.e.f. October 2013)
12043	Electrical and Electronics Engineering	22043	Electrical Drives & Control
12544	Thermodynamics and Automobile Technology Lab	-	No alternative
12045	Electrical and Electronics Engineering Lab	22047	Electrical Drives & Control Practical
12046	Workshop – II (Turning, drilling and Shaping)	-	No alternative

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12551	Metal Forming Process	-	No alternative
12552	Engineering Metallurgy <u>Elective Theory-I</u>	-	No alternative
12571	1.Tool Design	22581	Tool design(w.e.f.April 2014)
12572	2. Oil Hydraulics and Pneumatics	22583	Oil hydraulics and pneumatics (w.e.f.April 2014)
11011	English Communication Practical <u>Elective Practical-I</u>	20002	Communication And Life Skills Practical
12573	1. Tool Design Drawing Practical	22585	Tool design practical (w.e.f.April 2014)
12574	2. Oil Hydraulics and Pneumatics Practical	22587	Oil hydraulics and pneumatics practical (w.e.f.April 2014)
12056	Workshop – III (Slotting, Planning, Milling, Grinding & CNC Machines)*	22056	Manufacturing technology-II Practical

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12061	Industrial Engineering and Management	22061	Industrial Engineering And Management
12062	Computer Aided Design and Manufacturing	22062	Computer Integrated Manufacturing
	<u>Elective Theory-II</u>		
12581	1. Mechatronics	22582	Mechatronics
12582	2. Statistical Process Control and TQM	22571	SQC & Total Quality Management
12064	Computer Aided Design a Manufacturing Practical	22064	Computer Integrated Manufacturing Practical
	<u>Elective Practical – II</u>		
12583	1. Mechatronics Lab	22586	Mechatronics Practical
12584	2. Statistical Process Control and TQM Lab	-	No Equivalent
12566	Project work, Entrepreneurship, Environmental and Disaster Management	22567	Project work,

DIPLOMA IN METALLURGY
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME
III SEMESTER
(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12631	Physical Metallurgy	22631	ELEMENTS OF PHYSICAL METALLURGY
12632	Ferrous Extractive Metallurgy	22632	IRON MAKING
12633	Allied Engineering	22633	Allied Engineering
12634	Metallography Lab	22634	METALLOGRAPHY PRACTICAL
12635	Fuels Testing & Met Analysis lab	22635	FUELS TESTING & MET ANALYSIS PRACTICAL
12046	Workshop Practice-II * (Turning, Drilling, Shaping)	-	No equivalent

IV SEMESTER
(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12641	Heat Treatment of Metals and Alloys	22641	Heat Treatment of Metals and Alloys
12642	Non-Ferrous Extractive Metallurgy	22642	Non-Ferrous Extractive Metallurgy
12643	Metal Joining	22643	Metal Joining
12034	Machine Drawing-CAD	22044	Computer Aided Machine Drawing Practical
12645	Heat Treatment Lab	22646	Heat Treatment Practical
12646	Welding Lab	22647	Welding Practical

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12651	Mechanical Metallurgy	22651	Mechanical Metallurgy
12062	Computer Aided Design and Manufacturing	22062	Computer Integrated Manufacturing
12653	Metal Casting	22653	Metal Casting
11011	English Communication Practical	20002	Communication & Life Skills Practical
12064	Computer Aided Design and Manufacturing Practical	22064	Computer Integrated Manufacturing Practical
12656	Metal Casting Lab	22657	Metal Casting Practical

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12061	Industrial Engineering & Management	22061	Industrial Engineering & Management
12662	Powder Metallurgy	22662	Powder Metallurgy
12681	Selection of Materials	22681	Selection of Materials
12682	Non Destructive Testing	22654	Non Destructive Testing Theory
12664	Foundry Lab	22666	Foundry Practical
12683	Metal Testing Lab	22683	Metal Testing Practical
12684	Non Destruction Testing Lab	22664	Non Destructive Testing Practical
12666	Project work, Entrepreneurship, Environmental & Disaster Management	22667	Project work

DIPLOMA IN MARINE ENGINEERING
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER
(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12731	Solid Mechanics and Fluid Mechanics	22731	Strength of Materials and Fluid Mechanics
12032	Manufacturing Processes	22732	Workshop Technology I
12043	Electrical and Electronics Engineering	22043	Electrical Drives & Control (w.e.f.April 2013)
12734	Marine Engineering Drawing and CAD	22746	Computer Aided Marine Engineering Drawing Practical (w.e.f.April 2013)
12035	Mechanics of Materials and Fluid Mechanics Lab	22734	Strength of Materials and Fluid Mechanics Practical
12045	Electrical and Electronics Engineering lab	22047	Electrical Drives & Control Practical (w.e.f.April 2013)

IV SEMESTER
(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12741	Ship Construction Technology	22733	Ship Construction Technology
12742	Personal Safety and Social Responsibility	22742	Personal Safety and Social Responsibilities
12743	Marine Welding Technology		No Equivalent
12744	Marine Welding Lab		No Equivalent
12745	Workshop II	22745	Workshop Technology II Practical
12746	Ship modelling practice	22736	Ship Construction Practical

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12751	Shipping Practice		No Equivalent
12752	Marine Diesel Engine and Power Plant	22752	Marine Diesel Engine and Power Plant
	Elective Theory – I		
12771	Personal Survival Technique	22771	Personal Survival Techniques
12772	Seamanship and Navigation	22772	Seamanship and Life saving appliances
11011	English Communication Practical	20002	Communication and Life Skills Practical
	Elective Practical – I		
12774	Personal Survival Technique Lab	22773	Personal Survival Techniques Practical
12775	Seamanship and Navigation Lab	22774	Seamanship and Life saving appliances Practical
12755	Marine Diesel Engine and Power Plant Lab	22755	Marine Diesel Engine and Power Plant Practical

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12761	Naval Architecture	22754	Naval Architecture
12762	Marine Auxiliary Machinery	22762	Marine Auxiliary Machinery
	Elective Theory – II		
12781	Emergency First Aid and Fire Fighting	22761	Elementary First Aid and Fire Fighting
12782	Rule of The Road	22782	Rule of The Road
12765	Marine Auxiliary Machinery Lab	22765	Marine Auxiliary Machinery Practical
	Elective Practical – II		
12784	Emergency First Aid and Fire Fighting Lab	22764	Elementary First Aid and Fire Fighting Practical
12785	Rule of The Road Lab	22784	Rule of the Road Practical
12766	Project Work, Entrepreneurship, Environment and Disaster Management	22767	Project Work

**DIPLOMA IN ELECTRICAL &
ELECTRONICS ENGINEERING**
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER
(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
13031	Electrical Circuit Theory	23031	Electrical Circuit Theory
13032	Electrical Machines - I	23032	Electrical Machines - I
14031	Electronic Devices and Circuits	24031	Electronic Devices and Circuits
13034	Electrical Circuits and Machines Practical	23034	Electrical Circuits and Machines Practical
14034	Electronic Devices and Circuits Practical	24034	Electronic Devices and Circuits Practical
13036	Work Shop Practical	23036	Work Shop Practical

IV SEMESTER
(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
13041	Electrical Machines - II	23041	Electrical Machines - II
13042	Measurements and Instrumentation	23042	Measurements and Instruments
14041	Analog and Digital Electronics	24043	Digital Electronics
13045	Electrical Machines and Instrumentation Practical	23045	Electrical Machines and Instrumentation Practical
14044	Analog and Digital Electronics Practical	24046	Integrated Circuits Practical
11011	English Communication Practical	20002	Communication and Life Skill Practice

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
13051	Power System – I	23051	Power System – I
14051	Microprocessor and Micro Controller	24052	Micro Controller
	Elective Theory – I		
13071	Control of Electrical Machines	23071	Control of Electrical Machines
13072	Programmable Logic Controller	23072	Programmable Logic Controller
13073	Electrical Machine Design	23073	Electrical Machine Design
	Practical		
13054	Wiring and Winding Practical	23064	Wiring and Winding Practical (VI Semester)(w.e.f.April 2014)
14054	Micro Controller Practical	24056	Micro Controller Practical
	Elective Practical – I		
13074	Control of Electrical Machines Practical	23074	Control of Electrical Machines Practical
13075	Programmable Logic Controller Practical	23075	Programmable Logic Controller Practical
13076	Electrical Machine Design Practical	23076	Electrical Machine Design Practical

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
13061	Power System – II	23061	Power System – II
13062	Electrical Estimation	23062	Electrical Estimation and Energy Auditing
Elective Theory – II		Elective Theory – II	
13081	Power Electronics	23081	Power Electronics
14061	Computer Hardware and Networking	24682	Computer Hardware and Networks
14033	“C” Programming and OOPS	25233	C Programming
23065	Computer Aided Electrical Drawing Practical	23065	Computer Aided Electrical Drawing
Elective Practical – II		Elective Practical – II	
13084	Power Electronics Practical	23084	Power Electronics Practical
14064	Computer Hardware and Networking Practical	24684	Computer Hardware and Networks Practical
14036	“C” Programming and OOPS Practical	25236	C Programming Practical
13066	Project Work, Entrepreneurship, Environment and Disaster Management	23067	Project Work

**DIPLOMA IN ELECTRONICS &
COMMUNICATION ENGINEERING**
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER
(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
14031	Electronic Devices and Circuits	24031	Electronic Devices and Circuits
14032	Electric Circuits and Instrumentation	24032	Electrical Circuits and Instrumentation
14033	'C' Programming and OOPS	25233	'C' Programming
14034	Electronic Devices and Circuits Lab	24034	Electronic Devices and Circuits Practical
14035	Electric Circuits & Instrumentation Lab	24035	Electric Circuits & Instrumentation Practical
14036	'C' Programming Lab	24036	Programming in 'C' Practical

IV SEMESTER
(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
14041	Analog and Digital Electronics	24043	Digital Electronics
14042	Industrial Electronics	24041	Industrial Electronics
14043	Communication Engineering	24042	Communication Engineering
14044	Analog and Digital Electronics Lab	24046	Integrated Circuits Practical
14045	IE and CE Lab	24045	Industrial Electronics & Communication Engineering Practical
11011	English Communication Lab	20002	Communication Skills and Life Skills Practical

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
14051	Microprocessor and Micro controller	24052	Micro controller
14052	Advanced Communication Systems	24051	Advanced Communication Systems
	Elective – I		Elective – I
14071	1.Digital Signal Processor		No alternative
14072	2.VLSI	24053	Very Large Scale Integration
14073	3.Robotics and Auto-Electronics	24763	Robotics and Auto Electronics (w.e.f April 2014)
14054	Microprocessor and Microcontroller Lab	24056	Microcontroller Practical
14055	Advanced Communication Systems Lab	24055	Advanced Communication Systems Practical
	Elective - I Lab		Elective - I Lab
14074	1. Digital Signal Processor Lab		No alternative
14075	2.VLSI Lab	24057	Very Large Scale Integration Practical
14076	3. Robotics and Auto-Electronics Lab	24765	Robotics and Auto Electronics Practical (w.e.f April 2014)

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
14061	Computer Hardware and Networking	24682	Computer Hardware and Network
14062	Embedded Systems	24061	Embedded Systems
	Elective - II		Elective - II
14081	1.Digital Image Processing		No alternative
14082	2.Television Engineering	24081	Television Engineering
14083	3.Bio-Medical Instrumentation	23082	Bio medical Instrumentation
14064	Computer Hardware and Networking Lab	24684	Computer Hardware and Network Practical
14065	Embedded Systems Lab	24064	Embedded Systems Practical
14066	Project Work & Entrepreneurship	24067	Project Work

**DIPLOMA IN INSTRUMENTATION &
CONTROL ENGINEERING**
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER
(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
14231	Basics of Instrumentation	24233	Basics of Instrumentation
14031	Electronic devices & Circuits	24031	Electronic devices & Circuits
14233	Electrical Circuits & Machines	24232	Electrical Circuits & Machines
14234	Basics of Instrumentation Lab	24235	Basics of Instrumentation Practical
14235	Electrical & Electronic Circuits Lab	24234	Electrical & Electronic Circuits Practical
14036	'C' Programming Lab	25236	'C' Programming Practical

IV SEMESTER
(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
14241	Measurement of Process Variables	24243	Measurement of Process Variables
14041	Analog & Digital Electronics	24241	Analog & Digital Electronics
14243	Measurements & Instruments	24242	Measurements and Instruments
14244	Measurement of Process Variables Lab	24246	Measurement of Process Variables Practical
14044	Analog & Digital Electronics Lab	24245	Analog and Digital Electronics Practical
11011	English Communication Practical	20002	Communication and Life Skill Practice

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
14251	Control Engineering	24253	Control Engineering
14252	Process Control Instrumentation	24251	Process Control Instrumentation
14051	Elective – 1 Microprocessor & Microcontroller	24052	Microcontroller
14042	Industrial Electronics	24273	Industrial Power Electronics
14254	LabVIEW * PLC Lab		No Alternate Paper
14255	Process Control Instrumentation Lab	24255	Process Control Instrumentation Practical
14054	Elective - 1 Lab Microprocessor & Microcontroller Lab	24056	Microcontroller Practical Lab
14256	Industrial Electronics Lab		No Alternate Paper

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
14261	Industrial Instrumentation	24244	Industrial Instrumentation
14262	Industrial Automation	24262	Industrial Automation and Drives
14083	Elective – II Bio-Medical Instrumentation	24281	Elective – II Bio-Medical Engineering
14281	Computer Networks		No Alternate Paper
14264	Industrial Instrumentation Lab		No Alternate Paper
14265	Industrial Automation Lab	24264	Industrial Automation Practical
14266	Project Work & Entrepreneurship	24267	Project Work

DIPLOMA IN INFORMATION TECHNOLOGY
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER
(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
15031	Basics of Electrical and Electronics Engineering	25231	Basics of Electrical & Electronics Engineering
15032	C and Data Structures	25244	Data Structures using C (w.e.f.April 2013)
15033	Operating Systems	25232	Operating Systems
15034	Electrical and Electronics Laboratory	25234	Electrical & Electronics Practical
15035	C and Data Structures Laboratory	25246	Data Structures using C Practical (w.e.f.April 2013)
15036	Operating Systems Laboratory	25235	Linux Practical

IV SEMESTER
(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
14641	Management Information Systems	24641	Management Information Systems
15042	Internet concepts and Web Designing	25251	Web Programming (w.e.f October 2013)
15043	Object Oriented Programming with Java	25243	Object Oriented Programming with Java
11011	English Communication Laboratory	20002	Communication and Life Skill Practical
15045	Web Designing Laboratory	25255	Web Programming Practical (w.e.f October 2013)
15046	Java Programming Laboratory	25245	Java Programming Practical

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
14651	Open Source Softwares		No Alternative
15052	Relational Data Base Management Systems	25252	Relational Database and Management Systems
	Elective - I		
15071	.Net Programming	25253	.Net Programming
15051	Computer Networks and Security	24682	Computer Hardware and Networks (w.e.f.April 2014)
14654	Open Source Softwares Laboratory		No Alternative
15055	Relational Data Base Management System Laboratory	25256	Relational Database and Management System Practical
15073	.Net Programming Laboratory	25257	.Net Programming Practical
15054	Computer Networks and Security Laboratory	24684	Computer Hardware and Networks Practical (w.e.f.April 2014)

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
15082	Multimedia Systems	25281	Multimedia Systems
15081	Software Engineering	25272	Software Engineering
	Elective - II		
14681	Financial Accounting and Management		No Alternative
14682	Advanced Java Programming	24661	Advanced Java Programming
15084	Multimedia Systems Laboratory	25283	Multimedia Systems Practical
14683	Accounting Laboratory		No Alternative
14684	Advanced Java Programming Laboratory	24664	Advanced Java and XML Programming Practical
14666	Project Work and Entrepreneurship	24667	Project Work

DIPLOMA IN ELECTRONICS (ROBOTICS)
/MECHATRONICS ENGINEERING
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER
(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
14031	Electronic Devices and Circuits	24031	Electronic Devices and Circuits
14233	Electrical Circuits and Machines	24232	Electrical Circuits and Machines
12031	Mechanics of Materials	24742	Mechanics of Materials (W.E.F.April 2013)
14734	Electronic Devices and Circuits ,Machines lab	24734	Electronic Devices and Circuits Practical
14735	Manufacturing Technology Lab	24736	Manufacturing Technology Practical
11011	English Communication Lab	20002	Communication and Life skill Practice (W.E.F.April 2013)

IV SEMESTER
(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
14041	Analog and Digital Electronics	24241	Analog and Digital Electronics
14742	Hydraulics and Pneumatics Systems	24753	Hydraulics and Pneumatics Systems (w.e.f.October 2013)
14033	'C' Programming and OOPS	24743	Programming in C
14044	Analog and Digital Electronics Lab	24245	Analog and Digital Electronics Practical
14745	Hydraulics and Pneumatics Systems Lab	24756	Hydraulics, Pneumatics and PLC Practical (w.e.f.October 2013)
14036	'C' Programming Lab.	24746	Programming in C Practical

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
14051	Microprocessor and Microcontroller	24052	Microcontroller
14752	Electronic Instrumentation	24751	Industrial Instrumentation and Automation
14073	Robotics and Auto Electronics	24763	Robotics and Auto Electronics (w.e.f.April 2014)
14054	Microprocessor and Microcontroller lab	24056	Microcontroller Practical
14755	AutoCAD Lab		No Alternative
14076	Robotics and Auto Electronics Lab	24765	Robotics and Auto Electronics Practical (w.e.f.April 2014)

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
14252	Process Control and Instrumentation	24762	Process Control
12062	Computer aided Design and Manufacturing	24754	CAD/CAM
12042	Machine Shop Technology	24733	Manufacturing Technology
14255	Process Control and instrumentation Lab	24764	Process Control Practical
12064	Computer aided Design and Manufacturing Lab	24766	CAD Practical
14766	Project Work & Entrepreneurship	24767	Project Work

**DIPLOMA IN ENVIRONMENTAL &
POLLUTION CONTROL ENGINEERING**
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER
(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
11031	Engineering Mechanics	21031	Engineering Mechanics
11032	Construction Materials & Practice	21032	Construction Materials and Construction Practice
11033	Surveying	24844	Surveying (W.E.F. April 2013)
14834	Environmental Microbiology	24833	Environmental Science
14835	Microbiology Lab Practice	24836	Environmental Engineering Lab-I
11036	Surveying Practice-I	21036	Surveying Practice-I

IV SEMESTER
(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
14841	Air Pollution Management	21052	Environmental Engineering and Pollution Control (w.e.f. October 2013)
11042	Environmental Engineering	21052	Environmental Engineering and Pollution Control (w.e.f. October 2013)
14843	Environmental Chemistry	24833	Environmental Science
14844	Industrial Waste water treatment	24871	Industrial Waste water treatment Plants (w.e.f. October 2013)
14845	Soil Testing Lab Practice	21045	Material Testing Lab-II
14846	Environmental chemistry Lab Practice	24857	Environmental Engineering Lab-II (w.e.f. October 2013)

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
11051	Structural Engineering	21051	Structural Engineering
11052	Quantity Surveying	24842	Quantity Surveying
14853	Environmental Monitoring Instrumentation	24853	Environmental Management Systems
14854	Environmental Engineering Drawings	24855	CAD in Public Health Drawing
11011	English Communication practical	20002	Communication and Life skill Practice (W.E.F. April 2013)
14856	Computer Applications Lab Practice	21066	Computer Applications in Civil Engineering (w.e.f April 2014)

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
14861	Environmental Management & Environmental Impact Assessment	24861	Environmental Pollution Control Measures
11062	Hydraulics	21062	Hydraulics
14863	Design, operation and maintenance of Treatment plant	24843	Design and Maintenance of Water and Sewage Treatment Plants
11064	Hydraulics and & Plumbing Lab Practice	21065	Hydraulics and Plumbing Lab
14865	Pollution Control Plant practice & Implant Training	24883	Safety in Environmental Engineering
11066	Project work	24867	Project Work

DIPLOMA IN COMPUTER ENGINEERING
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER
(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
15031	Basics of Electrical and Electronics Engineering	25231	Basics of Electrical & Electronics Engineering
15032	C and Data Structures	25244	Data Structure Using C (w.e.f. April 2013)
15033	Operating Systems	25232	Operating Systems
15034	Electrical and Electronics Laboratory	25234	Electrical & Electronics Practical
15035	C and Data Structures Laboratory	25246	Data Structure Using C Practical (w.e.f. April 2013)
15036	Operating Systems Laboratory	25235	Linux Practical

IV SEMESTER
(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
15041	Computer Architecture and Assembly Language Programming	25241	Computer Architecture
15042	Internet Concepts and Web Designing	25251	Web Programming (w.e.f. October 2013)
15043	Object Oriented Programming with Java	25243	Object Oriented Programming with Java
11011	English Communication Laboratory	20002**	Communication and Life Skills Practical
15045	Web Designing Laboratory	25255	Web Programming Practical (w.e.f. October 2013)
15046	Java Programming Laboratory	25245	Java Programming Practical

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
15051	Computer Networks and Security	25242	Computer Networks and Security
15052	Relational Data Base Management Systems	25252	Relational Database and Management Systems
15071	.Net Programming	25253	.NET Programming
15072	Embedded Systems	-	NO ALTERNATIVE
15054	Computer Networks and Security Laboratory	25264	Computer Servicing and Network Practical (w.e.f. April 2014)
15055	Relational Data Base Management System Laboratory	25256	Relational Database and Management Systems Practical
15073	.Net Programming Laboratory	25257	.NET Programming Practical
15074	Embedded Systems Laboratory	-	NO ALTERNATIVE

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
15061	PC Hardware and Servicing	25261	Computer Hardware and Servicing
15062	Mobile Computing	25262	Mobile Computing
15081	Software Engineering	25272	Software Engineering
15082	Multimedia Systems	25281	Multimedia Systems
15064	PC Hardware and Servicing Laboratory	25264	Computer Servicing and Network Practical
15083	E-Publishing Laboratory		NO ALTERNATIVE
15084	Multimedia Systems Laboratory	25283	Multimedia Systems Practical
15066	Project Work and Entrepreneurship	25267	Project work

DIPLOMA IN COMPUTER NETWORKING ENGINEERING
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER
(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
15031	Basics of Electrical and Electronics Engineering	25231	Basics of Electrical & Electronics Engineering
15032	C and Data Structures	25244	Data Structure Using C (w.e.f.April 2013)
15033	Operating Systems	25232	Operating Systems
15034	Electrical and Electronics Laboratory	25234	Electrical & Electronics Practical
15035	C and Data Structures Laboratory	25246	Data Structure Using C Practical (w.e.f.April 2013)
15036	Operating Systems Laboratory	25235	Linux Practical

IV SEMESTER
(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
15341	Data Communication	25342	Data Communication and Networking
15042	Internet Concepts and Web Designing	25251	Web Programming (w.e.f.October 2013)
15043	Object Oriented Programming with Java	25243	Object Oriented Programming with Java
11011	English Communication Laboratory	20002**	Communication and Life Skills Practical
15045	Web Designing Laboratory	25255	Web Programming Practical (w.e.f.October 2013)
15046	Java Programming Laboratory	25245	Java Programming Practical

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
15051	Computer Networks and Security	25242	Computer Networks and Security
15352	TCP/IP Networking		NO ALTERNATIVE
15061	PC Hardware and Servicing	25261	Computer Hardware and Servicing (w.e.f April 2014)
15072	Embedded Systems		NO ALTERNATIVE
15054	Computer Networks and Security Laboratory	25264	Computer Servicing and Network Practical (w.e.f April 2014)
15355	TCP/IP Networking Laboratory		NO ALTERNATIVE
15064	PC Hardware and Servicing Laboratory	25264	Computer Servicing and Network Practical (w.e.f April 2014)
15074	Embedded Systems Laboratory		NO ALTERNATIVE

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
15361	Network Operating System	25261	NO ALTERNATIVE
15362	Wide Area Networks	25382	Wide Area Networks
15382	Wireless Networks		NO ALTERNATIVE
15082	Multimedia Systems	25281	Multimedia Systems
15364	Router Administration Laboratory	25384	Router Administration Practical
15384	Wireless Networks Laboratory	25356	Wireless Networks Practical
15084	Multimedia Systems Laboratory	25283	Multimedia Systems Practical
15066	Project Work and Entrepreneurship	25367	Project work

DIPLOMA IN TEXTILE TECHNOLOGY
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER
(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16031	Fibre Science and Technology	26031	Fibre Science and Technology
16032	Basics of Engineering	26041	Basic Engineering (w.e.f April 2013)
16033	Yarn Manufacture – I	26032	Yarn Manufacture – I
16034	Fabric Manufacture – I	26033	Fabric Manufacture – I
16035	Yarn Manufacture – I Practical	26035	Yarn Manufacture – I Practical
16036	Fabric Manufacture – I Practical	26036	Fabric Manufacture – I Practical

IV SEMESTER
(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16041	Textile Wet Processing	26052	Textile Wet Processing (w.e.f.October 2013)
16042	Yarn Manufacture – II	26042	Yarn Manufacture – II
16043	Fabric Manufacture – II	26043	Fabric Manufacture – II
16044	Textile Wet Processing Practical	26056	Textile Wet Processing Practical (w.e.f.October 2013)
16045	Yarn Manufacture – II Practical	26045	Yarn Manufacture – II Practical
16046	Fabric Manufacture – II Practical	26046	Fabric Manufacture – II Practical

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16051	Textile Testing	26051	Textile Testing
16052	Garment Technology	26062	Garment Manufacture (w.e.f April 2014)
	Elective – I		Elective – I
16071	Advanced Textile Manufacture	26071	Advanced Textile Manufacture
16072	Statistical Quality Control in Textiles		No Equivalent
16054	Textile Testing practical	26055	Textile Testing practical
16055	Garment Technology Practical	26064	Garment Manufacture Practical (w.e.f April 2014)
11011	English Communication Skill Practical	20002	English Communication and Life Skill Development Practical

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16061	Textile Management	26061	Textile Management
16062	Fabric structure		No Equivalent
	Elective – II		
16081	Maintenance of Textile Machineries	26081	Maintenance of Textile Machinery
16081	Textile Marketing and Merchandising		No Equivalent
16064	Textile CAD Practical	26065	Textile CAD Practical
16065	Fabric structure practical	26047	Elementary Textile Design Practical
16066	Project work	26067	Project work

VII SEMESTER (Sandwich)
(With effect from October 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16091	Industrial Training & Viva Voce	26092	Industrial Training & Viva Voce

DIPLOMA IN TEXTILE PROCESSING
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER
(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16131	Fibre Science and Yarn Manufacture	26631	Fibre Science and Yarn Manufacture
16032	Basics Of Engineering	26041	Basic Engineering (w.e.f April 2013)
16133	Chemical Preparatory Process for Textiles	26132	Preparation for Textile Processing
16134	Testing Analysis of Textile Materials - Practical	26166	Textile Testing Practical (w.e.f April 2014)
16135	Chemical Preparatory Process for Textiles - Practical	26135	Preparation for Textile Processing - Practical
16136	Chemical Laboratory	26134	Fibre and chemical Analysis Practical

IV SEMESTER
(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16141	Technology of Dyeing of Natural Fibres	26133	Dyeing of Natural Fibres
16142	Fabric and Garment Manufacture	26062	Garment Manufacture (w.e.f April 2014)
16143	Technology of Textile Finishing	26144	Technology of Textile Finishing
16144	Technology of Dyeing of Natural Fibres - Practical	26136	Dyeing of Natural Fibres practical
16145	Garment Manufacture and Processing Practical	-	No alternative
16146	Technology of Textile Finishing - Practical	26146	Technology of Textile Finishing - Practical

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16151	Technology of Dyeing of Man Made Fibres And Blends	26143	Dyeing of Manmade Fibres and Blends
16152	Technology of Textile Printing	26152	Technology of Textile Printing
16171	Elective - I Advances in Textile Processing	26182	Elective - II Advances in Textile Processing (w.e.f April 2014)
16172	Elective - I Eco Friendly Textile Processing	26172	Elective - I Eco Friendly Textile Processing
16154	Technology of Dyeing of Man Made Fibres and Blends - Practical	26145	Dyeing of Man Made Fibres and Blends Practical
16155	Technology of Textile Printing Practical	26155	Technology of Textile Printing Practical
11011	English Communication Practical	20002	Communication and Life Skills Practical

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16061	Textile Management	26061	Textile Management *
16162	Testing and Quality Assurance in Textile Processing	26153	Quality assurance in Textile Processing
16181	Elective – II Water, Effluent Treatment and Pollution Control	26181	Elective – II. Water, Effluent Treatment and Pollution Control
16082	Elective - II Textile Marketing and Merchandising	----	-----
16164	Testing and Quality Assurance in Textile Processing - Practical	26156	Quality Assurance in Textile Processing Practical
16165	Shade Matching in Dyeing and Printing Practical	26165	Shade Matching in Dyeing and Printing Practical
16166	Project Work, Entrepreneurship, Environmental Engineering and Disaster Management	26167	Project Work

DIPLOMA IN TEXTILE MARKETING & MANAGEMENT
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER
(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16431	TEXTILE MANUFACTURE	26031	FIBRE SCIENCE AND TECHNOLOGY
16432	PRINCIPLES OF MANAGEMENT	26432	TEXTILE ORGANIZATIONAL MANAGEMENT
16433	FINANCIAL ACCOUNTING	26433	TEXTILE INFORMATION MANAGEMENT
16434	ANALYSIS OF CLOTH DESIGN AND DEFECTS - PRACTICAL	26434	CLOTH DESIGN AND DEFECTS ANALYSIS - PRACTICAL
16435	PRODUCTION AND ACCOUNTING SOFTWARE - PRACTICAL	26435	TEXTILE MARKET DATABASE MANAGEMENT - PRACTICAL
16436	BUSINESS INFORMATION ANALYSIS (PRACTICAL)	26436	ACCOUNTING SOFTWARE - PRACTICAL

IV SEMESTER
(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16441	GARMENT MANUFACTURE & PHYSICAL TESTING	26062	GARMENT MANUFACTURE(w.e.f April 2014)
16442	MARKETING MANAGEMENT	26443	MODERN MARKETING MANAGEMENT
16443	STATISTICS & QUALITY ASSURANCE IN TEXTILES	26444	TEXTILE QUALITY MANAGEMENT
16444	GARMENT MANUFACTURE - PRACTICAL	26457	GARMENT MANUFACTURE - PRACTICAL (w.e.f October 2013)
16445	PHYSICAL TESTING OF TEXTILE (PRACTICAL)	26455	TEXTILE TESTING - PRACTICAL(w.e.f October 2013)
16446	ENGLISH COMMUNICATION – (PRACTICAL)	20002	COMMUNICATION AND LIFE SKILLS - PRACTICAL

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16451	WET PROCESSING	26052	TEXTILE WET PROCESSING
16452	HUMAN RESOURCE MANAGEMENT	26472	HUMAN RESOURCE DEVELOPMENT AND ENTREPRENEURSHIP
ELECTIVE I:			
16471	TEXTILE AND GARMENT COSTING	26461	TEXTILE AND GARMENT COSTING (w.e.f April 2014)
16472	ADVERTISING & SALES PROMOTION	26482	TEXTILE ADVERTISEMENT MANAGEMENT (w.e.f April 2014)
16454	TEXTILE COLOURATION - PRACTICAL	26456	TEXTILE WET PROCESSING - PRACTICAL
16455	ADVERTISING & VISUAL STUDIO (PRACTICAL)	26446	TEXTILE ADVERTISEMENT AND PUBLICITY - PRACTICAL

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16461	INTERNATIONAL MARKETING AND MERCHANDIZING	26453	EXPORT MARKETING
16462	BANKING AND FINANCIAL MANAGEMENT	26681	APPAREL PRODUCTION PLANNING AND CONTROL @
ELECTIVE II:			
16481	ENTREPRENEURIAL DEVELOPMENT	26472	HUMAN RESOURCE DEVELOPMENT AND ENTREPRENEURSHIP
16482	MODERN TRENDS IN MARKETING		NO EQUIVALENT
16464	EXPORT PROCEDURE AND MERCHANDIZING - (PRACTICAL)	26464	TEXTILE EXPORT PROCEDURE - PRACTICAL
16465	COMPUTER APPLICATIONS IN TEXTILE MANAGEMENT (PRACTICAL)	26465	GARMENT CAD - PRACTICAL
16466	PROJECT WORK, ENTREPRENEURSHIP, ENVIRONMENT & DISASTER MANAGEMENT	26467	PROJECT WORK

DIPLOMA IN APPLIED ARTS & CRAFTS
(FASHION & APPAREL DESIGN)

ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER
(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17831	Basics of Textiles*	-----	-----
16532	Fundamentals of Garment Manufacture	-----	-----
16533	Art of Sketching & Drawing	27832	Art of Sketching and Drawing
16534	Fundamentals of Garment Manufacture Practical	-----	-----
16535	Basics of Textiles Practical	-----	-----
16536	Art of Sketching & Drawing Practical	26534	Fashion sketching and drawing Practical

IV SEMESTER
(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17841	Chemical Processing & Testing of Textiles*	27851	Chemical Processing and Testing of Textiles (w.e.f.October 2013)
16542	Fashion Design & Color	27862	Fashion Concepts and Design (w.e.f.April 2013)
16643	Garment Pattern Drafting & Construction – I*	26644	Pattern Drafting and Construction –I
16544	Fashion Design & Color Practical	26565	Fashion Concepts and Design Practical (w.e.f.April 2014)
16645	Garment Pattern Drafting & Construction – I Practical	27846	Pattern Drafting and Construction – I Practical
11011	English Communication Practical#*	20002	English Communication and Life Skill Practical

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16651	Clothing Machinery & Equipment*	26643	Clothing Machinery & Equipment
16652	Garment Pattern Drafting & Construction – II*	26653	Pattern Drafting & Construction – li
16571	Applied Handicrafts	-----	
16572	Home Furnishing	26641	Home Textiles
16554	Garment CAD Practical	27864	Fashion CAD Practical (w.e.f.April 2014)
16655	Garment Pattern Drafting & Construction – II –Practical	27857	Pattern Drafting & Construction – II Practical
16573	Applied Handicrafts Practical	26566	Handicrafts Practical (w.e.f.April 2014)
16574	Home Furnishing Practical	26545	Home Textiles Practical

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16061	Textile Management	26061	Textile Management
16662	Apparel Quality Control	-----	
16581	Fashion Business and Forecasting	-----	
16682	Fashion Draping*	26682	Fashion Draping*
16554	Surface Ornamentation Practical	-----	-----
16684	Fashion Draping Practical	26666	Fashion Draping Practical
16566	Project Work, Entrepreneurship, Environment and Disaster Management	26567	Project Work

**DIPLOMA IN GARMENT TECHNOLOGY
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME**

**III SEMESTER
(With effect from October 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16631	Fibre Science and Yarn Manufacture	26631	Fibre Science and Yarn Manufacture
16632	Fabric Production	26142	Technology of Fabric Manufacture (w.e.f. April 2013)
16633	Apparel Designing	26633	Apparel Designing
16634	Fabric Analysis (Practical)	-----	
16635	Apparel Designing (Practical)	26636	Apparel Designing Practical
16636	Embroidery (Practical)	26635	Embroidery Practical

**IV SEMESTER
(With effect from April 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16641	Chemical processing and Testing of Textiles	-----	
16642	Fashion Designing	26632	Fashion Designing
16643	Garment Pattern Drafting & Construction I	26644	Pattern Drafting and Construction – I
16644	Chemical Processing and Testing of Textiles (Practical)	-----	
16645	Garment Pattern Drafting & Construction I (Practical)	27846	Pattern Drafting and Construction – I Practical
11011	English Communication (Practical)	20002	Communication & Life skill Practical

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16651	Clothing Machinery & Equipment	26643	Clothing Machinery and Equipment
16652	Garment Pattern Drafting & Construction II	26653	Pattern Drafting and Construction – li
16671 16672	Elective: I Handicrafts Apparel Merchandising	----- 26671	----- Apparel Merchandising
16654	Fashion Designing & Enrichment (Practical)	26634	Fashion Designing Practical
16655	Garment Pattern Drafting & Construction II (Practical)	27857	Pattern Drafting and Construction – II Practical
16656	Handicrafts (Practical)	-----	-----
16651	Clothing Machinery & Equipment	26643	Clothing Machinery and Equipment

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16061	Textile Management	26061	Textile Management
16662	Apparel Quality Control	26662	Apparel Quality Control
16681 16682	Elective: II Knit Wear Technology Fashion Draping	----- 26682	----- Fashion Draping
16664	Computer Applications in Garments (Practical)	26664	Fashion and Garment CAD Practical
16683 16684	Knit Wear Production (Practical) Fashion Draping Practical)	----- 26666	----- Fashion Draping Practical
16666	Project Work, Entrepreneurship, Environment and Disaster Management	26667	Project Work

**DIPLOMA IN TEXTILE TECHNOLOGY (KNITTING)
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME**

**III SEMESTER
(With effect from October 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16031	Fibre Science and Technology	26031	Fibre Science and Technology *
16232	Technology of Yarn Manufacture	26141	Technology of Yarn Manufacture # (w.e.f April 2013)
16633	Apparel Designing	26633	Apparel Designing @
16734	Basic Weft Knitting	26732	Basic Weft Knitting
16735	Technology of Yarn Manufacture – Practical		No Equivalent
16736	Basic Weft Knitting – Practical	26734	Basic Weft Knitting - Practical

**IV SEMESTER
(With effect from April 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16741	Advanced Weft Knitting	26744	Advanced Weft Knitting
16642	Fashion Designing	26772	Fashion Illustration and Designing (w.e.f October 2013)
16743	Fabric Manufacture	26142	Technology of Fabric Manufacture #
16744	Advanced Weft Knitting - Practical	26746	Advanced Weft Knitting – Practical
16745	Garment Technology – I Practical	26735	Garment Pattern Drafting and Grading – Practical
11011	English Communication Practical	20002	Communication and Life Skills – Practical **

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16051	Textile Testing	26051	Textile Testing *
16752	Knitted Garment Construction	26782	Knitted Garment Construction (w.e.f April 2014)
	Elective – I Theory		
16771	Warp Knitting and Hosiery Manufacture	26753	Warp Knitting and Hosiery Manufacture
16772	Modern Developments in Knitting		No Equivalent
16054	Textile Testing – Practical	26055	Textile Testing – Practical *
16755	Knitted Garment Construction - Practical	26765	Knitted Garment Construction – Practical (w.e.f April 2014)
16756	Warp Knitting and Hosiery Manufacture – Practical	26757	Warp Knitting and Hosiery Manufacture – Practical

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16061	Textile Management	26061	Textile Management *
16762	Chemical Processing of Knits	26052	Textile Wet Processing *
	Elective – II Theory		
16781	Productivity and Quality Control in Apparel Manufacture		No Equivalent
16782	Computer Applications in Apparel Manufacture		No Equivalent
16764	Computer Aided Designs - Practical	26766	Computer Aided Design in Apparel Manufacture – Practical
16765	Chemical Processing of Knits - Practical	26056	Textile Wet Processing - Practical *
16766	Project Work, Entrepreneurship, Environment and Disaster Management	26767	Project Work

Note :

- ** Common Subject with All Diploma Engineering Courses
- * Common Subject with Diploma in Textile Technology
- # Common Subject with Diploma in Textile Processing
- @ Common Subject with Diploma in Garment Technology

**DIPLOMA IN TEXTILE TECHNOLOGY (KNITTING & GARMENT)
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME**

**III SEMESTER
(With effect from October 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16031	Fibre Science and Technology	26031	Fibre Science and Technology *
16232	Technology of Yarn Manufacture	26141	Technology of Yarn Manufacture #(w.e.f April 2013)
16633	Apparel Designing	26633	Apparel Designing @
16734	Basic Weft Knitting	26732	Basic Weft Knitting @@
16635	Apparel Designing – Practical	26636	Apparel Designing Practical @
16736	Basic Weft Knitting – Practical	26734	Basic Weft Knitting – Practical @@

**IV SEMESTER
(With effect from April 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16741	Advanced Weft Knitting	26744	Advanced Weft Knitting @@
16842	Garment Production - I		No Equivalent
16743	Fabric Manufacture	26142	Technology of Fabric Manufacture #
16744	Advanced Weft Knitting – Practical	26746	Advanced Weft Knitting – Practical @@
16845	Garment Production Practical – I		No Equivalent
11011	English Communication Practical	20002	Communication and Life Skills – Practical **

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16651	Textile Wet Processing and Testing	26051	Textile Testing @
16852	Garment Production - II		No Equivalent
	Elective – I Theory		
16771	Warp Knitting and Hosiery Manufacture	26753	Warp Knitting and Hosiery Manufacture
16672	Apparel Merchandising	26671	Apparel Merchandising @
16054	Textile Wet Processing and Testing – Practical	26056	Textile Wet Processing – Practical @
16855	Garment Production II - Practical		No Equivalent
16756	Warp Knitting and Hosiery Manufacture – Practical	26757	Warp Knitting and Hosiery Manufacture – Practical @@

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16061	Textile Management	26061	Textile Management *
16662	Apparel Quality Control	26662	Apparel Quality Control
	Elective – II Theory		
16881	Advanced Knitting Technology		No Equivalent
16882	Fashion Designing and Draping	26682	Fashion Draping @
16864	Computer Aided Designing of Knitting and Garment – Practical	26664	Fashion and Garment CAD – Practical @
16865	Fashion Designing and Draping - Practical	26666	Fashion Draping - Practical @
16066	Project Work, Entrepreneurship, Environment and Disaster Management	26867	Project Work

Note :

- ** Common with All Diploma Engineering Courses
- * Common with Diploma in Textile Technology
- # Common with Diploma in Textile Processing
- @ Common with Diploma in Garment Technology
- @@ Common with Diploma in Textile Technology (Knitting)

**DIPLOMA IN APPAREL TECHNOLOGY
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME**

**III SEMESTER
(With effect from October 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16131	Fiber Science & Yarn Manufacture	26631	Fibre Science and Yarn Manufacture
16632	Fabric Production	26642	Technology of Fabric Manufacture (w.e.f. April 2013)
16633	Apparel Designing	26633	Apparel Designing
16634	Fabric Analysis Practical	-----	-----
16635	Apparel Designing Practical	26936	Apparel Designing Practical
16636	Embroidery Practical	26935	Embroidery Practical

**IV SEMESTER
(With effect from April 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16641	Chemical Processing & Testing of Textiles	-----	-----
16942	Apparel Drafting & Sewing –I	26644	Pattern Drafting and Construction – I
16943	Product Design Development	26632	Fashion Designing
16944	Chemical Processing & Testing of Textiles Practical	26955	Textile Testing and Wet Processing Practical (w.e.f. October 2013)
16945	Apparel Drafting & Sewing – I Practical	-----	-----
11011	English Communication Practical	20002	English Communication and Life Skill Practical

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16651	Clothing Machinery & Equipment	26643	Clothing Machinery & Equipment
16952	Apparel Drafting & Sewing– II	26653	Pattern Drafting & Construction – II
16971	Apparel Business	26671	Apparel Merchandising
16972	Textile Furnishing & Made ups	26641	Home Textiles
16954	Designing & Surface Ornamentation Practical	-----	-----
16955	Apparel Drafting & Sewing – II Practical	-----	-----
16956	Textile Furnishing & Made ups Practical	-----	-----

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16061	Textile Management	26061	Textile Management
16662	Apparel Quality Control	26662	Apparel Quality Control
16981	Apparel Production Planning & Control	26681	Apparel Production Planning & Control
16982	Industrial Clothing	-----	-----
16664	Computer Applications in Garments Practical	26964	Fashion and Garment CAD Practical
16965	Industrial Clothing Practical	-----	-----
16966	Project Work, Entrepreneurship, Environment and Disaster Management	26967	Project Work

**DIPLOMA IN SUGAR TECHNOLOGY
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME**

**III SEMESTER
(With effect from October 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17031	Organic Chemistry*	27031	Organic Chemistry*
17032	Mechanical Engineering*	27032	Mechanical Engineering*
17033	Electrical and Electronics Engineering*	27033	Electrical and Electronics Engineering*
17434	Sugar cane Agriculture	27443	Sugar cane Agriculture (w.e.f April 2013)
17035	Mechanical Engineering Laboratory*	27034	Mechanical Engineering Practical*
17036	Electrical and Electronics Engineering Laboratory*	27035	Electrical and Electronics Engineering Practical *

**IV SEMESTER
(With effect from April 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17441	Chemical Process Industries	27441	Chemical Process Industries
17042	Fluid Mechanics*	27042	Fluid Mechanics*
17443	Sugar Chemistry	27431	Sugar Organic Chemistry
17044	Engineering Drawing*	27044	Engineering Drawing*
17445	Technical Analysis Laboratory	27047	Technical Analysis Practical *
17046	Fluid Mechanics Laboratory*	27046	Fluid Mechanics Practical *

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17051	Heat Transfer*	27051	Heat Transfer*
17452	Plantation White Sugar Manufacture	27452	Plantation White Sugar Manufacture
17053	Process Instrumentation and Control*	27053	Process Instrumentation and Control*
17471	Elective – I 1. By Products and corrosion in Sugar Industry	27472	Elective - I 1. By Products and corrosion in Sugar Industry
17472	2.Computer Application in Sugar Industry Laboratory	27466	2.Computer Application in Sugar Industry Practical (w.e.f.April 2014)
11011	English Communication Practical*	20002	Communication and Life Skills Practical
17456	Sugar Technology Laboratory - I	27445	Sugar Technology Practical - I

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17061	Plant Engineering and Management*	27561	Plant Engineering and Management \$
17462	Milling and Chemical Control	27462	Milling and Chemical Control
17463	Unit Operations	27481	Unit Operations
17481	Elective – II 1. Process Equipment Capacities	27471	Elective - II 1. Process Equipment Capacities
17482	2.Raw Sugar Manufacture	27482	2.Raw Sugar Manufacture
17465	Sugar Technology Laboratory - II	27456	Sugar Technology Practical - II
17466	Project work	27467	Project work

*COMMON WITH DIPLOMA IN CHEMICAL ENGINEERING
\$ COMMON WITH DIPLOMA IN POLYMER TECHNOLOGY

**DIPLOMA IN PETROCHEMICAL ENGINEERING
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME**

**III SEMESTER
(With effect from October 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17131	Petroleum Refining	27131	Petroleum Refining
17032	Mechanical Engineering*	27032	Mechanical Engineering*
17033	Electrical and Electronics Engineering*	27033	Electrical and Electronics Engineering*
17134	Distillate Testing Laboratory	27136	Distillate Testing Practical-I
17035	Mechanical Engineering Laboratory*	27034	Mechanical Engineering Practical*
17036	Electrical and Electronics Engineering Laboratory*	27035	Electrical and Electronics Engineering Practical*

**IV SEMESTER
(With effect from April 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17141	Petrochemical Technology	27143	Petrochemical Technology
17042	Fluid Mechanics*	27042	Fluid Mechanics*
17143	Refinery Mass Transfer	27161	Refinery Mass Transfer (w.e.f April 2014)
17044	Engineering Drawing*	27044	Engineering Drawing*
17145	Mass Transfer Laboratory	27064	Mass Transfer Practical (w.e.f April 2014)
17046	Fluid Mechanics Laboratory*	27046	Fluid Mechanics Practical*

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17051	Heat Transfer*	27051	Heat Transfer*
17052	Principles of Chemical Engineering*	27052	Principles of Chemical Engineering*
17053	Process Instrumentation and Control*	27053	Process Instrumentation and Control*
17171	<u>Elective - I</u> 1. Plastics Technology	27172	<u>Elective - I</u> 1. Plastics Technology
17172	2. Unit Operations	27041	2.Mechanical Operations
11011	English Communication Practical #	20002	Communication and Life Skills Practical #
17056	Chemical Process Measurement and Control Laboratory*	27055	Chemical Process Measurement and Control Practical*

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17061	Plant Engineering and Management*	27561	Plant Engineering and Management
17162	Energy and Safety Management	27181	Energy Resources and Safety Management
17163	Processing of Chemicals	27162	Processing of Chemicals
17181	<u>Elective - II</u> 1. Industrial Ecology	27182	<u>Elective - II</u> 1. Industrial Ecology
17182	2. Process Utilities		2.No Equivalent Paper
17165	Heat Transfer Laboratory*	27056	Heat Transfer Practical*
17066	Project work #	27167	Project work #

*Common Subject with Diploma Chemical Engineering

Common to all branches

**DIPLOMA IN CHEMICAL ENGINEERING
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME**

**III SEMESTER
(With effect from October 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17031	Organic Chemistry	27031	Organic Chemistry
17032	Mechanical Engineering	27032	Mechanical Engineering
17033	Electrical and Electronics Engineering	27033	Electrical and Electronics Engineering
17034	Mechanical Operations	27041	Mechanical Operations (w.e.f. April 2013)
17035	Mechanical Engineering Lab	27034	Mechanical Engineering Practical
17036	Electrical and Electronics Engineering Lab	27035	Electrical and Electronics Engineering Practical

**IV SEMESTER
(With effect from April 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17041	Physical Chemistry		No Equivalent Paper
17042	Fluid Mechanics	27042	Fluid Mechanics
17043	Process Technology		No Equivalent Paper
17044	Engineering Drawing	27044	Engineering Drawing
17045	Mechanical Operations Lab	27045	Mechanical Operations Practical
17046	Fluid Mechanics Lab	27046	Fluid Mechanics Practical

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17051	Heat Transfer	27051	Heat Transfer
17052	Principles of Chemical Engineering	27052	Principles of Chemical Engineering
17053	Process Instrumentation and Control	27053	Process Instrumentation and Control
17081	<u>Elective - I</u> 1. Equipments Drawing through Auto CAD Lab		<u>Elective - I</u> 1. No Equivalent Paper
17082	2. Industrial Safety and Pollution Control	27072	2. Industrial Safety and Pollution Control
17055	English Communication Practical	20002	Communication and Life Skills Practical
17056	Chemical Process Measurement and Control Lab	27055	Chemical Process Measurement and Control Practical

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17061	Plant Engineering and Management	27561	Plant Engineering and Management
17062	Mass Transfer - I	27061	Mass Transfer - I
17063	Mass Transfer - II	27062	Mass Transfer - II
17091	<u>Elective - II</u> 1. Specific Process Technologies	27081	<u>Elective - II</u> 1. Specific Process Technologies
17092	2. Process Plant Operations	27082	2. Process Plant Operations
17065	Heat and Mass Transfer Lab		No Equivalent Paper
17066	Project work	27067	Project work

VII SEMESTER (SANDWICH)
(With effect from October 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject

17071	Industrial Training Report and Viva Voce	27092	Industrial Training Report and Viva Voce
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**DIPLOMA IN POLYMER TECHNOLOGY (SANDWICH)
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME**

**III SEMESTER
(With effect from October 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17031	ORGANIC CHEMISTRY	27031	ORGANIC CHEMISTRY
17032	MECHANICAL ENGINEERING	27032	MECHANICAL ENGINEERING
17033	ELECTRICAL AND ELECTRONICS ENGINEERING	27033	ELECTRICAL AND ELECTRONICS ENGINEERING
17434	AUTO CAD PRACTICE	27534	CAD PRACTICE
17435	WORKSHOP PRACTICE	27036	WORKSHOP PRACTICE- II
17036	ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	27035	ELECTRICAL AND ELECTRONICS ENGINEERING PRACTICAL

**IV SEMESTER
(With effect from April 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17541	POLYMER SCIENCE	27541	POLYMER SCIENCE
17542	PLASTIC MATERIALS	27542	POLYMERIC MATERIALS
17543	CHEMICAL ENGINEERING	27543	CHEMICAL ENGINEERING
17044	ENGINEERING DRAWING	27044	ENGINEERING DRAWING
17545	POLYMER SCIENCE LABORATORY	27545	POLYMER SCIENCE PRACTICAL
17546	CHEMICAL ENGINEERING LABORATORY	27547	CHEMICAL ENGINEERING PRACTICAL

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17551	RUBBER MATERIALS		NO EQUIVALENT
17552	PLASTICS PROCESSING TECHNOLOGY	27551	PLASTICS PROCESSING TECHNOLOGY
17053	PROCESS INSTRUMENTATION AND CONTROL	27053	PROCESS INSTRUMENTATION AND CONTROL
17571	ELECTIVE I: 1. PLASTICS MOULD ENGINEERING	27581	ELECTIVE I: 1. POLYMER MOULD ENGINEERING (w.e.f April 2014)
17572	2.PACKAGING TECHNOLOGY	27582	2.PACKAGING TECHNOLOGY(w.e.f April 2014)
11011	ENGLISH COMMUNICATION PRACTICAL	20002	COMMUNICATION AND LIFE SKILLS PRACTICALS
17556	POLYMER PROCESSING LABORATORY	27556	POLYMER PROCESSING PRACTICAL

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17061	PLANT ENGINEERING AND MANAGEMENT	27561	PLANT ENGINEERING AND MANAGEMENT
17562	RUBBER PROCESSING AND RODUCTS MANUFACTURE	27552	RUBBER PROCESSING AND RODUCTS MANUFACTURE
17563	POLYMER TESTING	27562	POLYMER TESTING
17581	ELECTIVE II: 1.FOOT WEAR TECHNOLOGY		NO EQUIVALENT
17582	2.PAINTS AND SURFACE COATING		NO EQUIVALENT
17565	POLYMER TESTING LABORATORY	27564	POLYMER TESTING PRACTICAL
17566	PROJECT WORK	27567	PROJECT WORK

VII SEMESTER
(With effect from October 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17591	Industrial Training Report and Viva	27592	Industrial Training Report and Viva Voce

Voce		
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**DIPLOMA IN CERAMIC TECHNOLOGY (SANDWICH)
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME**

**III SEMESTER
(With effect from October 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
18031	General Engineering	28031	General Engineering
18032	Geology	28032	Geology
18033	Material science		No equivalent Paper
18034	Ceramic Raw materials	28033	Ceramic Raw material
18035	Geology laboratory	28034	Geology laboratory
18036	Ceramic raw material analysis	28035	Ceramic raw material analysis laboratory

**IV SEMESTER
(With effect from April 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
18041	Unit Operations	28041	Unit Operations
18042	Ceramic Process	28042	Ceramic Fabrication Process
18043	White ware and Heavy clay ware	28043	White ware and Heavy clay ware
17044	Engineering Drawing	27044	Engineering Drawing
18045	Ceramic Processing laboratory	28047	Ceramic Processing Laboratory
18046	Ceramic Testing laboratory	28045	Ceramic Testing Laboratory -II

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
18051	Ceramic coating Technology	28051	Glazes Technology
18052	Properties of ceramics	28052	Properties of ceramics
18053	Refractories	28053	Refractories
18081	Elective -I 1.Cement Technology	28072	Elective -I Cement Technology
18082	2.Abrasive		No Equivalent Paper
11011	English communication practicals	20002	Communication and Life skill practical
18056	Ceramic Coating laboratory	28065	Glaze Laboratory (w.e.f.April 2014)

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17061	Plant Engineering and management	27561	Plant Engineering and management
18062	Glass Technology		No Equivalent Paper
18063	Fuels, Furnace and Pyrometry	28062	Furnace Technology
18091	Elective -II 1.Refractories for process industries	28081	Elective -II 1.Refractories Application
18092	2.Special ceramics	28082	2.Special ceramics
18065	Refractories laboratory	28056	Refractories Laboratory
18066.	Project work	28067	Project work

VII SEMESTER
(With effect from October 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject

18071	Industrial training Report and viva voce	28092	Industrial training Report and viva voce
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**DIPLOMA IN PRINTING TECHNOLOGY
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME**

**III SEMESTER
(With effect from October 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
18231	Printing Processes and Materials	28231	Printing Processes
18232	Visual Design and DTP	28232	Visual Design and DTP
18233	Image Processing	28233	Image Processing
18234	Design Studio Lab.	28234	Design Studio Lab.
18235	Image Processing Lab.	28235	Image Processing Practical
18236	Printing Primer Lab.	28236	Printing Primer Practical

**IV SEMESTER
(With effect from April 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
18241	Offset Printing Technology	28241	Offset Printing Technology
18242	Gravure, Flexography and Screen Printing	28242	Gravure, Flexography and Screen Printing
18243	Print Finishing and Converting	28243	Print Finishing and Converting
18244	Desk Top Publishing for Print Production Lab.	28245	Desk Top Publishing for Print Production Practical
18245	Offset Machines Lab.	28246	Offset Machines Practical
18246	Print Finishing Lab.	28247	Print Finishing Practical

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
18251	Digital Prepress	28251	Digital Pre-press
18252	Advanced Printing Technologies	28253	Advanced Printing Technologies
18271	Elective: I – E – Publishing	28252	E-Publishing
18272	Elective: I – Packaging Technology	28254	Packaging Technology
11011	English Communication Practical	20002	Communication and Life Skills Practical
18255	Digital Pre-Press Lab.	28255	Digital Pre-Press Lab.
18256	Packaging Lab.	28256	Packaging Lab.

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
18261	Total Quality Management	28261	Total Quality Management
18262	Printing Press Management	28262	Printing Press Management
18281	Elective – II: Printing Machinery Maintenance	28263	Printing Machinery Maintenance
18282	Elective – II: Advertising in Print Media		No equivalent
18264	Print Quality Control Lab	28264	Print Quality Assurance Practical
18265	Industrial Exposure and Report	28266	Industrial Exposure and Report
18266	Project Work	28267	Project Work

**DIPLOMA IN MECHANICAL ENGINEERING (TOOL & DIE)
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME**

**III SEMESTER
(With effect from October 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12031	Mechanics of Materials ^{@@}	22031	Strength of Materials ^{@@}
12032	Manufacturing Processes ^{@@}	22041	Manufacturing Technology-I (w.e.f April 2013)
12234	Engineering Metrology	22233	Engineering Metrology
12034	Machine Drawing & CAD ^{@@}	22044	Computer Aided Machine Drawing Practical ^{@@} (w.e.f April 2013)
12235	Metrology lab.	22235	Engineering Metrology Practical
12036	Workshop – I (Smithy, Foundry & Welding) ^{@@}	22045	Manufacturing Technology –I Practical (w.e.f April 2013)

**IV SEMESTER
(With effect from April 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12241	Engineering Materials and Metallurgy	22241	Engineering Materials and Metallurgy
12042	Machine Shop Technology ^{@@}	22052	Manufacturing Technology-II (w.e.f October 2013)
12243	Tool room special machines	22243	Tool Room Special Machines
12244	Mechanical Material Testing Lab	22245	Mechanical Material Testing Practical
12245	Tool Room Special Machines Practical	22247	Tool Room Special Machines Practical
12046	Workshop – II (Turning, Drilling & Shaping) ^{@@}	----	No alternate subject in L scheme

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12251	Design of Jigs, Fixtures and Gauges	22251	Jigs, Fixtures and Gauges
12252	Design of Press Tools	22252	Press Tools
12253	Design of forging dies and Die casting dies	22253	Forging Dies and Die casting dies
11011	English Communication Practical ^{\$\$}	20002	Communication & Life Skills Practical ^{\$\$}
12255	Press Tools making Practical	22255	Press Tools - I Practical
12256	Jigs and Fixtures Practical	22256	Jigs and Fixtures Practical

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12061	Industrial Engineering & Management ^{@@}	22061	Industrial Engineering and Management ^{@@}
12062	Computer Aided Design & Manufacturing ^{@@}	22062	Computer Integrated Manufacturing ^{@@}
12263	Plastic Moulding Technology	22263	Plastic Moulding Technology
12064	Computer Aided Design & Manufacturing Practical ^{@@}	22064	Computer Integrated Manufacturing Practical ^{@@}
12265	Plastic Mould making Practical	22266	Plastic Moulds Practical
12266	Project work, Entrepreneurship, Environmental & Disaster Management	22267	Project Work

@@ - Subjects Common with Diploma course in Mechanical Engineering .

\$\$ - Subjects Common with other Diploma courses in Engineering

**DIPLOMA IN MECHANICAL ENGINEERING (REFRIGERATION & AIRCONDITIONING)
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME**

**III SEMESTER
(With effect from October 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12031	Mechanics of Materials	22031	Strength of Materials
12032	Manufacturing Process	22041	Manufacturing Technology – I (w.e.f April 2013)
12033	Fluid Mechanics and Fluid Power	22032	Fluid Mechanics & Fluid Power
12034	Machine Drawing-CAD	22044	Computer Aided Machine Drawing Practical (w.e.f April 2013)
12035	Mechanics of Materials and Fluid Mechanics Lab	22035	Mechanical Testing & Quality Control Practical
12036	Workshop-I (Smithy, Foundry & Welding)	22045	Manufacturing Technology – I Practical (w.e.f April 2013)

**IV SEMESTER
(With effect from April 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12041	Applied Thermodynamics	22042	Thermal Engineering – I
12042	Machine Shop Technology	22052	Manufacturing Technology – II (w.e.f October 2013)
12043	Electrical and Electronics Engineering	22043	Electrical Drives & Control
12044	Thermodynamics Lab	22055	Thermal Engineering Practical (w.e.f October 2013)
12045	Electrical and Electronics Engineering Lab	22047	Electrical Drives & Control Practical
12046	Workshop II(Turning, Drilling and Shaping)		No alternative

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12451	Refrigeration	22451	Refrigeration
12452	Air Conditioning	22452	Air conditioning
12471 12472	Elective Theory – I R and A/C Machines R and A/C Applications	22471 22454	Elective Theory – I R&AC Machines Refrigeration and Air- conditioning Applications
11011	English Communication Practical **	20002	Communication and Life Skills Practical **
12454	Refrigeration Lab	22455	Refrigeration Practical
12473 12474	Elective Practical – I R and A/C Machines Lab R and A/C Applications Lab	22473	Elective Practical – I R&AC Machines Practical No Equivalent

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12061	Industrial Engineering And Management*	22061	Industrial Engineering and Management *
12062	Computer Aided Designing and Manufacturing*	22062	Computer Integrated Manufacturing *
12481 12482	Elective Theory-II R and A/C Estimation and Design Cryogenic Engineering	22481 22472	Design of R&AC Cryogenic Engineering
12464	Air conditioning Lab	22465	Air conditioning Practical
12483 12484	Elective Practical –II R And A/C Estimation and Design Lab Cryogenic Engineering Lab	22483 22474	Design of R&AC Practical Cryogenic Engineering Practical
12466	Project work, Entrepreneurship , Environmental And Disaster Management *	22467	Project Work

* Common with Mechanical Engg. Diploma Courses

**DIPLOMA IN AGRICULTURAL TECHNOLOGY
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME**

**III SEMESTER
(With effect from October 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12031	Mechanics of Materials	22031	Strength of Materials
12332	Principles of Crop Production	22332	Principles of Crop Production
12333	Surveying and Levelling	22333	Surveying and Levelling
12034	Machine Drawing & Auto CAD	22044	Computer Aided Machine Drawing Practical (w.e.f April 2013)
12335	Principles of Crop Production Lab	22335	Principles of Crop Production Practical
12336	Surveying and Levelling lab	22336	Surveying and Levelling Practical

**IV SEMESTER
(With effect from April 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12341	Fluid Mechanics & Agricultural Pumps	22341	Fluid Mechanics & Agricultural Pumps
12342	Soil & Water Conservation Engineering	22342	Soil & Water Conservation Engineering
12043	Electrical & Electronics Engineering	22043	Electrical Drives & Control
12035	Mechanics of Materials & Fluid Mechanics Lab	22346	Mechanical Testing & Fluid Power Practical
12045	Electrical & Electronics Engineering Lab	22047	Electrical Drives & Control Practical
11011	English Communication Practical	20002	Communication & Life Skills Practical (w.e.f.October 2013)

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12351	Tractor and its Power Units	22351	Tractor and its Power Units
12062	Computer Aided Design and Manufacturing	22062	Computer Integrated Manufacturing (w.e.f April 2014)
Elective Theory-I	Elective Theory-I		
12371	(i) Manufacturing Technology	22372	Manufacturing Technology
12372	(ii) Irrigation Engineering		No Equivalent
12354	Tractor and its Power Units Lab	22355	Tractor and its Power Units Practical
12064	Computer Aided Design and Manufacturing Practical	22064	Computer Integrated Manufacturing Practical (w.e.f April 2014)
12036	Workshop-I (Smithy, Foundry & Welding)	22045	Manufacturing Technology – I Practical

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12361	Farm Machinery	22352	Farm Machinery
12061	Industrial Engineering & Management	22061	Industrial Engineering & Management
Elective Theory- II	Elective Theory- II		
12381	(i) Food Processing Engineering & Post Harvest Technology	22373	Food Process Engineering
12382	(ii) Non-conventional Energy Sources	22033	Renewable Energy Sources
12364	Farm Machinery Lab.	22366	Farm Machinery Practical
12046	Workshop – II (Turning, Drilling & Shaping)		No Equivalent
12366	Project Work, Entrepreneurship, Environment and Disaster Management	22367	Project Work

**DIPLOMA IN FASHION TECHNOLOGY
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME**

**III SEMESTER
(With effect from October 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17831	Basics of Textiles	-----	-----
17832	History of Costumes	-----	-----
16633	Apparel Designing	26633	Apparel Designing
17834	Science & structure of Fabrics Practical	-----	-----
17835	Apparel Designing Practical	27836	Apparel Designing Practical
17836	Fashion sketching & drawing Practical	27834	Fashion sketching and drawing Practical

**IV SEMESTER
(With effect from April 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
17841	Chemical Processing & Testing of Textiles	27851	Chemical Processing and Testing of Textiles (w.e.f October 2013)
17842	Fashion Art and Design	-----	-----
16643	Garment Pattern Drafting & Construction –I	26644	Pattern Drafting and Construction –I
16644	Chemical Processing & Testing of Textiles Practical	27855	Chemical Processing and Testing of Textiles Practical (w.e.f October 2013)
16645	Garment Pattern Drafting & Construction – I Practical	27846	Pattern Drafting and Construction – I Practical
11011	English Communication Practical	20002	Communication and Life Skills Practical

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16651	Clothing Machinery & Equipment*	26643	Clothing Machinery & Equipment
16652	Garment Pattern Drafting & Construction – II	26653	Pattern Drafting & Construction – II
17871	Indian & Western Costumes	26672	Indian & Western Costumes
17872	Interior Decoration	27881	Interior Decoration (w.e.f April 2014)
17854	Fashion Art & Design Practical	27865	Fashion Concepts and Design Practical (w.e.f April 2014)
16655	Garment Pattern Drafting & Construction – II –Practical	27857	Pattern Drafting & Construction – II Practical
17856	Interior Decoration Practical		-----

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16061	Textile Management**	26061	Textile Management
17862	Fashion Garment Development	-----	-----
17881	Quality Control in Garments	27852	Apparel Production & Quality Control
17882	Fashion Merchandising	26671	Apparel Merchandising
16664	Computer Applications in Garments Practical*	27864	Fashion CAD Practical
17865	Fashion Garment Development practical	-----	-----
17866	Project Work, Entrepreneurship, Environment and Disaster Management	27867	Project Work

**DIPLOMA IN TEXTILE TECHNOLOGY (TEXTILE DESIGN & WEAVING)
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME**

**III SEMESTER
(With effect from October 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16331	Textile Sciences	26031	Fibre Science & Technology
16032	Basics of Engineering	26041	Basic Engineering (w.e.f. April 2013)
16333	Art & Design	26332	Ancient art and printed Textile designs
16034	Fabric Manufacture – I	26033	Fabric Manufacture – I
16036	Fabric Manufacture – I Practical	26036	Fabric Manufacture – I Practical
16336	Computer Aided Art & Design Practical	26334	Ancient art and printed Textile designs Practical

**IV SEMESTER
(With effect from April 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16341	Printed Textile Design	26332	Ancient art and printed Textile designs
16062	Fabric Structure	26044	Elementary textile designs
16043	Fabric Manufacture – II	26043	Fabric Manufacture –II
16344	Computer Aided Printed Textile Design Practical	26334	Ancient art and printed Textile designs practical
16065	Fabric Structure Practical	26347	Elementary textile designs Practical
16046	Fabric Manufacture – II Practical	26346	Fabric Manufacture – II Practical

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16051	Textile Testing	26051	Textile Testing
16352	Woven Textile Designs	26342	Colour and Weave Effects
16371 16372	Elective: Process Control in Weaving Technical Textiles	----- 26072	No equivalent subject Technical Textiles
16054	Textile Testing Practical	26355	Textile Testing Practical
16355	Computer Aided Woven Textile Designs Practical	26345	Colour and Weave Effects Practical
	English Communication	20002	Communication & Life Skill Practical

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16061	Textile Management	26061	Textile Management
16362	Textile Designs for Home & Apparel	26371	Jacquard Designs for Home & Apparels
16381 16082	Elective: Knitting And Apparel Technology Textile Marketing & Merchandizing	26062 -----	Garment Manufacture No equivalent subject
16364	Computer Aided Textile Designs for Home & Apparel Practical	26365	Jacquard Designs for Home & Apparel practical
16365	Fabric sample creation practical	26366	Modern Weaving Technology Practical
16366	Project Work, Entrepreneurship, Environmental Engineering & Disaster management	26367	Project Work

**DIPLOMA IN TEXTILE TECHNOLOGY (MAN MADE FIBRES)
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME**

**III SEMESTER
(With effect from October 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16031	Fibre Science and Technology*	26031	Fibre Science & Technology
16232	Technology of Yarn Manufacture	26141	Technology of Yarn Manufacture (w.e.f April 2013)
16632	Fabric Production	26142	Technology of Fabric Manufacture (w.e.f April 2013)
16234	Fibre Science and Technology Practical	26234	Fibre Analysis - Practical
16235	Technology of Yarn Manufacture Practical	26245	Technology of Yarn Manufacture – Practical (w.e.f April 2013)
16236	Fabric Production Practical	26246	Technology of Fabric Manufacture – Practical (w.e.f April 2013)

**IV SEMESTER
(With effect from April 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16241	Chemical Preparatory Processes of Textiles	26132	Preparation for Textile Processing
16242	Technology of Dyeing of Natural and Man Made Textiles	26244	Technology of Dyeing of Natural and Man Made Textiles
16243	Technology of Apparel Designing	26633	Apparel Designing
16244	Chemical Preparatory Processes of Textiles Practical	26235	Preparation for Textile Processing – Practical
16245	Technology of Dyeing of Natural and Man Made Textiles Practical	26247	Technology of Dyeing of Natural and Man Made Textiles Practical
16246	Technology of Apparel Designing Practical	26236	Apparel Designing - Practical

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16051	Textile Testing	26051	Textile Testing
16252	Technology of Printing of Natural and Man Made Textiles	26152	Technology of Textile Printing
Elective I			
16271	Technology of Synthetic Fibre Manufacture	26253	Synthetic Fibre Manufacture
16272	Apparel Manufacturing and Quality Inspection	26271	Garment Manufacturing Technology - I
16054	Textile Testing Practical	26255	Textile Testing Practical
16255	Technology of Printing of Natural and Man Made Textiles Practical	26264	Textile Printing – Practical (w.e.f. April 2014)
11011	English Communication practical	20002	Communication and Life Skills Practical

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
16061	Textile Management	26061	Textile Management
16262	Technology of Finishing of Natural and Man Made Textiles	26262	Technology of Finishing of Natural and Man Made Textiles
Elective II			
16281	Advances in Synthetic Fibre Manufacture	26282	Advances in Synthetic Fibre Manufacture
16282	Apparel Fashion Designing	26281	Garment Manufacturing Technology - II
16264	Technology of Finishing of Natural and Man Made Textiles Practical	26265	Technology of Finishing of Natural and Man Made Textiles Practical
16265	Apparel Manufacture Practical	26266	Advanced Garment Manufacturing Technology - Practical
16266	Project Work, Entrepreneurship, Environment and Disaster Management	26267	Project Work

**DIPLOMA IN MECHANICAL ENGINEERING (FOUNDRY)(SW)
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME
III SEMESTER
(With effect from October 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12031	Mechanics of Materials	22031	Strength of Materials
12032	Manufacturing Process	22041	Manufacturing Technology – I (w.e.f April 2013)
12033	Fluid Mechanics & Fluid Power	22032	Fluid Mechanics & Fluid Power
12041	Applied Thermodynamics	22042	Thermal Engineering-I w.e.f April 2013)
12034	Machine Drawing – CAD	22044	Computer Aided Machine Drawing Practical (w.e.f October 2013)
12035	Mechanics of Materials & Fluid Mechanics Lab	22035	Mechanical Testing & Quality Control Practical
12044	Thermodynamics Lab		No equivalent

**IV SEMESTER
(With effect from April 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12036	Workshop-I (Smithy, Foundry & Welding)	22045	Manufacturing Technology – I Practical
19141	Industrial Training-I (Report Writing & Viva-voce)	29191	Industrial Training – I (Report Writing & Viva Voce)

**V SEMESTER
(With effect from October 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12042	Machine Shop Technology	22052	Manufacturing Technology – II (w.e.f April 2014)
12043	Electrical & Electronics Engineering	22043	Electrical Drives & Control
19153	Material Science and Metal Forming Process	29162	Metal Forming Process (w.e.f April 2014)
19154	Foundry Technology	29153	Foundry Technology - I
11011	English Communication Practical	20002	Communication & Life Skills Practical (w.e.f April 2014)
12045	Electrical & Electronics Engineering Lab *	22047	Electrical Drives & Control Practical
12046	Workshop – II (Turning, Drilling & Shaping)*		No Equivalent
19158	Foundry Technology Practical	29171	Foundry Technology Practical (w.e.f October 2014)

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12061	Industrial Engineering & Management	22061	Industrial Engineering and Management
12062	Computer Aided Design and Manufacturing*	22062	Computer Integrated Manufacturing
19163	Industrial Equipment Maintenance		No Equivalent
19164	Metallurgy	29154	Metallurgy
12056	Work Shop - III (Slotting, Planning, Milling, Grinding & CNC Machines)	22056	Manufacturing Technology – II Practical
12064	Computer Aided Design and Manufacturing Practical	22064	Computer Integrated Manufacturing Practical
19167	Sand Testing & Metallurgy Practical	29157	Sand Testing And Metallurgy practical

VII SEMESTER
(With effect from October 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
19168	Project Work, Entrepreneurship Environmental & Disaster Management	29173	Project Work
19171	Industrial Training II (Report Writing & Viva Voce)	29192	Industrial Training – I (Report Writing & Viva Voce)

**DIPLOMA IN MECHANICAL ENGINEERING (MTMR) SANDWICH
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME**

**III SEMESTER
(With effect from October 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12031	Mechanics of Materials	22031	Strength of Materials
12032	Manufacturing Process	22041	Manufacturing Technology – I (w.e.f April 2013)
12033	Fluid Mechanics & Fluid Power	22032	Fluid Mechanics & Fluid Power
12041	Applied Thermodynamics	22042	Thermal Engineering-I (w.e.f April 2013)
12034	Machine Drawing - CAD	22044	Computer Aided Machine Drawing Practical (w.e.f October 2013)
12035	Mechanics of Materials & Fluid Mechanics Lab	22035	Mechanical Testing & Quality Control Practical
12044	Thermodynamics Lab		No equivalent

**IV SEMESTER
(With effect from April 2013)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12036	Workshop-I (Smithy Foundry Welding)	22045	Manufacturing Technology – I Practical
19247	Industrial Training-I (Report Writing & Viva-voce)	29291	Industrial Training – I (Report Writing & Viva Voce)

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12042	Machine Shop Technology	22052	Manufacturing Technology – II (w.e.f April 2014)
12043	Electrical & Electronics Engineering	22043	Electrical Drives & Control
19253	Hydraulics, Pneumatics, Fluidics and Automation	29232	Industrial Hydraulics And Pneumatics
19254	Metrology and Instrumentation	29253	Metrology and Instrumentation
11011	English Communication Practical	20002	Communication & Life Skills Practical(w.e.f April 2014)
12045	Electrical & Electronics Engineering Lab *	22047	Electrical Drives & Control Practical
12046	Workshop – II (Turning, Drilling & Shaping)*		No Equivalent
19258	Metrology and Instrumentation Lab	29257	Metrology and Instrumentation Practical

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
12061	Industrial Engineering & Management	22061	Industrial Engineering and Management
12062	Computer Aided Design and Manufacturing*	22062	Computer Integrated Manufacturing
19263	Industrial Equipment Maintenance	29254	Industrial Equipment Maintenance
19264	Machine Tool Reconditioning & Overhauling	29262	Machine Tool Reconditioning & Overhauling
12056	Work Shop - III (Slotting, Planning, Milling, Grinding & CNC)	22056	Manufacturing Technology – II Practical
12064	Computer Aided Design and Manufacturing Practical	22064	Computer Integrated Manufacturing Practical
19267	Maintenance and Testing of Machine Tools Lab	29271	Machine Tool Reconditioning & Overhauling Practical (w.e.f October 2014)

VII SEMESTER
(With effect from October 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
19268	Project Work, Entrepreneurship Environmental & Disaster Management	29273	Project Work
19271	Industrial Training II (Report Writing &	29292	Industrial Training – I (Report Writing & Viva Voce)

DIPLOMA IN LEATHER TECHNOLOGY (SANDWICH)

ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME

III SEMESTER (With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
19031	Applied Leather Chemistry	29031	Applied Leather Chemistry
19032	Basics of Leather Manufacture	29032	Basics of Leather Manufacture
19033	Process of Leather Manufacture-1	29041	Process of Heavy Leather Manufacture (w.e.f April 2013)
19034	Computer Application in Leather industries	---	No Alternate
19035	Leather Bio-Technology	---	No Alternate
19036	Practice of Leather Manufacture-1	29042	Practice of Heavy Leather Manufacture (w.e.f April 2013)
19037	Leather Chemical Testing Practical	29035	Leather Chemicals Testing Practical

IV SEMESTER (With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
19041	Industrial Training Report -1	--	No Alternate
19042	Industrial Training Assessment (Viva-Voce) – 1	--	No Alternate

V SEMESTER (With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
19051	Chemistry of Leather Manufacture	29051	Theory of Post tanning and Finishing
19052	Process of Leather Manufacture – II	29052	Process of light leather manufacture
19053	Leather processing Machines	29053	Plant layout and leather machines
19054	Leather Product Fabrication	29064	Leather Product Fabrication (w.e.f April 2014)
19055	Leather Machines Practical	29056	Plant layout and leather machines Practical
19056	Leather Product Fabrication Practical	29067	Leather Product Fabrication practical (w.e.f April 2014)
11011	English Communication Practical	20002	Communication and Life skills Practical

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
19061	Leather Chemicals & Auxillaries	29061	Leather Chemicals & Auxiliaries
19062	Theory of Leather Testing	29062	Theory of Leather testing
19063	Tannery Effluent Treatment & Waste Management	29063	Tannery Effluent Treatment & Waste Management
19064	Newer Concepts in Leather Processing		No Alternate
19065	Industrial Management & Entrepreneurship	29071	Industrial Management & Entrepreneurship
19066	Leather Testing Lab	29065	Chemical testing of Leather practical
19067	Practice of Leather Manufacture-II	29055	Light Leather Manufacture practical
19068	Project Work Assessment (Viva-Voce)	29068	Project work

VII SEMESTER
(With effect from October 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
19071	Industrial Training Report -II	--	No Alternate
19072	Industrial Training Assessment --(Viva-Voce) – 1I	--	No Alternate

**DIPLOMA IN MODERN OFFICE PRACTICE
ALTERNATIVE PAPERS IN L-SCHEME FOR K-SCHEME**

**I SEMESTER
(With effect from October 2011)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
	Communication English – I	20011	Communication English – I
	Principles of Economics – I	28112	Principles of Economics-
	Commerce – I	28113	Elements of of Commerce-I
	Financial Accounting – I	28114	Financial Accounting – I
	Introduction to Computer & Windows Theory-	28115	Basics of Computer and C Programming.

**II SEMESTER
(With effect from April 2012)**

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
	Communication English – II	20021	Communication English – II
	Business Economics	28122	Business Economics –
	Commerce – II	28123	Business Organisation & Office Management-
	Financial Accounting – II	28124	Financial Accounting –II
	Elective: Banking-	28125	Modern Banking – I
	Elective: Shorthand	28171	Elective: Elements of Shorthand – English
	C Programming Laboratory	28116	C Programming Lab

III SEMESTER
(With effect from October 2012)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
18131	English I	28131	English I
18132	Business Statistics	28133	Business Statistics
18133	Business Organisation		No Alternative
18134	Advanced Accountancy –I	28132	Advanced Accountancy I
18135	Typewriting English/Tamil GTE Junior Paper I *	28135	Typewriting English / Tamil Junior Paper I (GTE) (w.e.f October 2012)
18135	Typewriting English/Tamil GTE Junior Paper II *	28144	Typewriting English /Tamil Junior Paper-II (GTE) (w.e.f April 2013)
18136	Desktop Publishing – Lab	28136	Desktop Publishing – Lab.

* - The candidates who have failed in either one of the papers must write both the Junior paper I & Junior Paper II to complete the course as per K- Scheme norms

IV SEMESTER
(With effect from April 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
18141	English II	28141	English II
18142	Business Law -I –	28134	Business Law-
18143	Visual Basic – Theory		No Alternate
18144	Advanced Accountancy – II	28142	Advanced Accountancy – II
18181	Elective : Banking		No Alternate
18182	Elective – Shorthand – II- Junior 80 wpm GTE-	28181	Elective : Shorthand English Junior Grade-Speed – Paper – I(GTE) (w.e.f.April 2014)
18145	Visual Basic – Lab	28145	Visual Basic – Lab

V SEMESTER
(With effect from October 2013)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
18151	Business Communications	28161	Business communication (w.e.f.April 2014)
18152	RDBMS & E Commerce Theory	28154	Oracle
18153	Advanced Accountancy – III –	28162	Advanced Accountancy – IV (w.e.f.April 2014)
18154	Typewriting English / Tamil GTE Senior Paper I *	28155	Typewriting English / Tamil Senior Paper I (GTE) (w.e.f October 2013)
18154	Typewriting English / Tamil GTE Senior Paper II *	28165	Typewriting English /Tamil Senior Paper-II (GTE) (w.e.f April 2014)
18155	RDBMS Lab	28157	Oracle – Lab
11011	English Communication Practical	28156	Communication Lab

* - The candidates who have failed in either one of the papers must write both the Senior paper I & Senior paper II to complete the course as per K- Scheme norms

VI SEMESTER
(With effect from April 2014)

'K' Scheme		'L' Scheme	
Subject Code	Name of the subject	Subject Code	Name of the subject
18161	Auditing	28151	Auditing
18162	Business & Environmental Management –	28164	Business Environmental Management
18163	Business Law – II		No Alternative
18164	Advanced Accountancy-IV –	28152	Advanced Accountancy – III
18165	Cost Accounting	28153	Cost Accounting
18166	Tally & Internet- Lab	28166	Tally – Lab