



**GOVERNMENT OF KERALA
ABSTRACT**

Higher Education – Technical – Equivalent / alternate subjects in Revision 2003 scheme to revised scheme and Revision 97 scheme – Approved – Orders issued

HIGHER EDUCATION (L) DEPARTMENT

G.O.(Ms) No. 169/08/H.Edn.
11/12/2008

Dated, Thiruvananthapuram,

Read:-Letters No. C2/10050/07 dated 11/12/2007 and 23/10/2008 from the Senior Joint Director (PS), Office of the Director of Technical Education, Thiruvananthapuram.

ORDER

In the circumstances reported by the Senior Joint Director (PS) and as recommended by him, the proposal of the Joint Director, Curriculum Development Centre, Kalamassery on equivalent / alternate subjects to be passed by the student under revised scheme to revision 2003 and revision 1997 scheme to revision 2003 is approved and permission granted to conduct examinations for the students of revised scheme 1992 and for the students of revision 1997 scheme as per the equivalent / alternate subject to be passed under revision 2003 scheme.

(BY ORDER OF THE GOVERNOR)
P KRISHNAPILLAI
DEPUTY SECRETARY TO GOVERNMENT

To

The Director of Technical Education, Thiruvananthapuram
The Senior Joint Director (PS), Office of the Director of Technical Education, Thiruvananthapuram
The Joint Director, Curriculum Development Centre, Kalamassery
The Joint Controller of Technical Examination, Thiruvananthapuram
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**LIST OF
EQUIVALENT / ALTERNATE SUBJECTS**

**REVISION 97 to REVISION 2003
(ALL BRANCHES)**

Civil Engineering

Revision '97		Revision 2003	
Code97	Subject	Code (03)	Subject
1001	English	1001	English
1002	Technical Mathematics	1002	Technical Mathematics
1003	Applied Science	1003	Applied Science
1004	Engineering Graphics	1004	Engineering Graphics
1005	Engineering Mechanics	2001	Mechanics of Solids
1006	Surveying I	1006	Surveying I
101	Applied Science Lab	101	Applied Science Lab
102	Workshop Practice	103	Workshop Practice
103	Surveying Lab I	102	Survey Practical I
2001	Computer Programming	1005	Computer Fundamentals & Programming in C
2002	Strength of Materials & Theory of Structures	3002	Theory of Structures
2003	Hydraulics & Irrigation Engineering	2002	Hydraulics
2004	Materials of Construction and Construction Practice	2005	Building Science and Technology
2005	Quantity Surveying I	3006	Quantity Surveying & Valuation
2006	Surveying II	2004	Surveying II
2007	Civil Engg Drawing I	2007	Civil Engg Drawing I
201	Survey Practical II	201	Survey Practical II, Survey Camp & Viva voce
202	Hydraulics Lab	204	Hydraulics Lab
203	Survey Camp & Viva voce	203	Computer Aided Drafting Lab
3001	Structural Engineering	3001	Design of Structures
3002	Transportation Engineering	2003	Transportation Engineering & Urban Planning
3003	Environmental Engineering	3004	Environmental Engineering.
3004	Quantity Surveying II & Building Evaluation	3006	Quantity Surveying & Valuation
3005	Building Technology & Construction Management	3005	Construction Management & Entrepreneurship.
3006	Civil Engineering Drawing II	3007	Civil Engg Drawing II
301	Strength of Material & Soil Mechanics Lab	301	Material Testing Lab
302	Concrete & Public Health lab	302	Environmental Engineering Lab
303	Civil Engineering Workshop	202	Construction Practice Lab
304	Project work, Viva & Seminar	303	Project, Viva voce, Project report (CAD), Seminar

Mechanical Engineering

Revision '97		Revision 2003	
Code97	Subject	Code (03)	Subject
1001	English	1001	English
1002	Technical Mathematics	1002	Technical Mathematics
1003	Applied Science	1003	Applied Science
1004	Engineering Graphics	1004	Engineering Graphics
101	Applied Science Lab	101	Applied Science Lab
1007	Production Technology - I	1007	Material Science & Process
1008	Thermal Engineering I	2013	Power Plant Engineering.
104	Workshop Practice I	104	Workshop Practice I
2001	Computer Programming	1005	Computer Fundamentals & Programming in C
2008	Strength of Materials	2008	Applied Mechanics & Strength of Materials
2009	Production Technology	2009	Manufacturing Process
2010	Thermal Engineering - II	2010	Thermal Engineering
2011	Hydraulics & Pneumatics	2011	Hydraulics & Hydraulic Machines.
2012	Electrical & Electronics Engineering	2012	Electrical & Electronics Engineering
2013	Machine Drawing	2014	Machine Drawing
204	Hydraulics Lab	207	Hydraulics Lab
205	Material Testing Lab	205	Material Testing Lab
206	Electrical Technology Lab	206	Electrical Technology Lab
207	Workshop Practice – II	208	Workshop Practice II
3007	Industrial Management & Entrepreneurship	3008	Industrial Management & Entrepreneurship
3008	Thermal Engineering - III	3009	Refrigeration & Air conditioning
3009	Production Technology -III	3010	Advanced Production Process
3010	Industrial Engineering	3011	Industrial Engineering
3011	Design of Machine Elements	3012	Design of Machine Elements
3012	Production Drawing	306	Production Drawing & AutoCAD
305	Heat Engine Lab	307	Heat Engine Lab
306	Servicing and Maintenance Lab	308	Servicing and Maintenance Lab
307	Workshop Practice	309	Workshop Practice III
308	Project Work & Seminar	310	Project Work & Seminar

Electrical Engineering

Revision '97		Revision 2003	
Code97	Subject	Code03	Subject
1001	English	1001	English
1002	Technical Mathematics	1002	Technical Mathematics
1003	Applied Science	1003	Applied Science
1004	Engineering Graphics	1004	Engineering Graphics
101	Applied Science Lab	101	Applied Science Lab
1009	Basic Electrical Engineering	1008	Basic Electrical Engineering - I
1010	Electrical Engineering Materials	2016	Electrical & Electronics Materials
105	Workshop Practice	104	Workshop Practice
2001	Computer Programming	1005	Computer Fundamentals & Programming in C
2014	Hydraulics& Prime Movers	2015	Hydraulics& Prime Movers
2015	Measurements & Measuring Instruments	2017	Electrical & Electronic Measurements
2016	Electronics I	2018	Electronics Devices & Circuits
2017	Electrical Machinery	2019	Electrical machinery I
2018	Power System I	2020	Electrical Energy System I
2019	Electrical Drawing	2021	Electrical Engineering Drawing
208	Hydraulics Lab	211	CAD Lab
209	Measurements Lab	209	Electrical & Electronics Measurement Lab
210	Electrical Machinery Lab	210	Electrical Machines Lab
211	Electrical Workshop	212	Electrical Workshop
3007	Industrial Management & Entrepreneurship	3008	Industrial Management & Entrepreneurship
3013	Electronics II	3016	Industrial Electronics & Control
3014	Electrical Machinery II	3013	Electrical Machinery II
3015	Power System II	3014	Electrical Energy system II
3016	Estimating & Costing	3015	Design, Estimating & Costing
3017	Electrical Drawing II	3017	Micro Controller & PLC Programming
309	Electrical maintenance Workshop	313	Micro Controller & PLC Lab
310	Electrical Machinery Lab II	311	Electrical Machine Lab II
311	Electronics lab	312	Electronics Lab
312	Project Work & Seminar	314	Project Work & Seminar

Electronics Engineering

Revision '97		Revision 2003	
Code97	Subject	Code03	Subject
1001	English	1001	English
1002	Technical Mathematics	1002	Technical Mathematics
1003	Applied Science	1003	Applied Science
1004	Engineering Graphics	1004	Engineering Graphics
101	Applied Science Lab	101	Applied Science Lab
1011	Electrical Engineering - I	1005	Computer Fundamentals & Programming in C
1012	Basic Electronics	1009	Basic Electrical & Electronics
107	Basic Electronics lab	105	Basic Electronics lab
106	Workshop Practice	106	Workshop Practice
2001	Computer Programming	2028	Programming in C++ & VB
2020	Electrical Engineering - II	2024	Electrical Technology
2021	Digital Electronics	2023	Digital Electronics
2022	Electronic Circuits	2022	Electronic Circuits
2023	Communication Engineering I	(2027)*	Comunication Engg I (systems)
2024	Electronics Instrumentation & Measurements	2025	Electronic Instrumentation
2025	Network & Transmission Lines	2026	Linear ICs & Medical Electronics
2026	Electronics Drafting	214	Electronics Drafting Workshop
212	Measurements Lab	216	Computer Lab
213	Electronics Lab I	215	Electronics Circuits Lab
214	Digital Electronics Lab	213	Digital Electronics Lab
3007	Industrial Management & Entrepreneurship	3008	Industrial Management & Entrepreneurship
3018	Industrial Electronics & Instrumentation	3019	Industrial Electronics & PLC
3019	Television Engineering	3021	Computer Hardware & Networking
3020	Microprocessors & Microcomputers	3018	Microcontroller & advanced Microprocessors
3021	Communication Engineering	3022	Modern Communication Systems
3022	Audio & Video Systems	3020	Audio & Video Systems
313	Electronics Lab II	316	Industrial Electronics & PLC Lab
314	Microprocessor Lab	315	Microcontroller and Advanced Microprocessor lab
315	Electronics Workshop	317	Computer Hardware & Networking Lab
316	Project & Seminar	318	Project & Seminar

*to be confirmed

Electronics & Communication Engineering

Revision '97		Revision 2003	
Code97	Subject	Code (03)	Subject
1001	English	1001	English
1002	Technical Mathematics	1002	Technical Mathematics
1003	Applied Science	1003	Applied Science
1004	Engineering Graphics	1004	Engineering Graphics
101	Applied Science Lab	101	Applied Science Lab
1011	Electrical Engineering - I	2026	Linear ICs & Medical Electronics
1012	Basic Electronics	1009	Basic Electrical & Electronics
107	Basic Electronics lab	105	Basic Electronics lab
106	Workshop Practice	106	Workshop Practice
2001	Computer Programming	1005	Computer Fundamentals & Programming in C
2020	Electrical Engineering II	2024	Electrical Technology
2021	Digital Electronics	2023	Digital Electronics
2022	Electronic Circuits	2022	Electronic Circuits
2023	Communication Engineering I	2047	Analog Communication Engineering
2024	Electronics Instruments & Measurements	2025	Electronic Instrumentation
2025	Network & Transmission Lines	2046	Network & Transmission Lines
2026	Electronics Drafting	214	Electronics Drafting Workshop
212	Measurement Lab	253	Communication Lab I
213	Electronics Lab I	215	Electronics Circuits Lab
214	Digital Electronics Lab	213	Digital Electronics Lab
3007	Industrial Management & Entrepreneurship	3008	Industrial Management & Entrepreneurship
3066	Advanced Communication System	3123	Advanced Communication System
3019	Television Engineering	3021	Computer Hardware & Networking
3020	Microprocessors & Microcomputers	3018	Microcontrollers & Advanced Microprocessors
3021	Communication Engineering - II	3035	Microwave & Fibre Optic Communication
3022	Audio & Video Systems	3020	Audio & Video Systems
333	Communication Lab	330	Communication Lab - II
334	Microprocessor Lab	315	Microcontrollers & Microprocessor lab
335	Electronics Workshop	317	Computer Hardware & Network Lab
336	Project & Seminar	331	Project & Seminar

Electronics & Instrumentation Engineering

Revision '97		Revision 2003	
Code97	Subject	Code03	Subject
1001	English	1001	English
1002	Technical Mathematics	1002	Technical Mathematics
1003	Applied Science	1003	Applied Science
1004	Engineering Graphics	1004	Engineering Graphics
101	Applied Science Lab	101	Applied Science Lab
1011	Electrical Engineering - I	2048	Transducers & Signals
1012	Basic Electronics	1009	Basic Electrical & Electronics
107	Basic Electronics lab	105	Basic Electronics lab
106	Workshop Practice	106	Workshop Practice
2001	Computer Programming	1005	Computer Fundamentals & Programming in C
2020	Electrical Engineering - II	2024	Electrical Technology
2021	Digital Electronics	2023	Digital Electronics
2022	Electronic Circuits	2022	Electronic Circuits
2065	Biomedical Instruments	3038	Biomedical instruments
2024	Electronics Instruments & Measurements	2025	Electronic Instrumentation
2059	Industrial Instruments	2049	Industrial Instruments - I
2026	Electronics Drafting	214	Electronics Drafting Workshop
243	Electrical Instruments Lab	232	Instrumentation & Control Lab - I
213	Electronics Lab I	215	Electronics Circuits Lab
214	Digital Electronics Lab	213	Digital Electronics Lab
3018	Industrial Electronics & instrumentation	3019	Industrial Electronics & PLC
3019	Television Engineering	3037	Process Control
3007	Industrial Management & Entrepreneurship	3008	Industrial Management & Entrepreneurship
3020	Microprocessors & Microcomputers	3018	Microcontrollers & Advanced Microprocessors
3067	Control Engineering	2050	Control Engineering
3068	Industrial Instruments	3036	Industrial Instruments
325	Electronics Instruments Lab	316	Industrial Instruments & PLC Lab
326	Microprocessors & Computers Lab	315	Microcontrollers & Microprocessor Lab
327	Industrial Instruments & Control Lab	332	Instrumentation & Control lab
328	Project Work & Seminar	333	Project & Seminar

Electronics Production Technology

Revision '97		Revision 2003	
Code-97	Subject	Code (03)	Subject
1001	English	1001	English
1002	Technical Mathematics	1002	Technical Mathematics
1003	Applied Science	1003	Applied Science
1004	Engineering Graphics	1004	Engineering Graphics
101	Applied Science Lab	101	Applied Science Lab
1011	Electrical Engineering I	1009	Basic Electrical & Electronics
1012	Basic Electronics	1009	Basic Electrical & Electronics
107	Basic Electronics lab	105	Basic Electronics lab
110	Workshop Practice	106	Workshop Practice
2001	Computer Programming	1005	Computer Fundamentals & Programming in C
2073	PCB Design & Fabrication	2053	PCB Design & Fabrication
2021	Digital Electronics	2023	Digital Electronics
2074	Electronic Circuits Analysis	2022	Electronic Circuits
2075	Communication Engineering	2052	Communication Engineering
2024	Electronic Instruments & Measurement	2025	Electronic Instrumentation
2076	Estimation & Costing	2054	Production and Assembly Techniques - I
2026	Electronics Drafting	214	Electronics Drafting & Workshop Practice
246	PCB Design Lab	252	PCB Fabrication Lab & Mini Project
247	Electronics Lab I	215	Electronics Circuits Lab
214	Digital Electronics Lab	213	Digital Electronics Lab
3007	Industrial Management & Entrepreneurship	3008	Industrial Management & Entrepreneurship
3075	Power Electronics	3019	Industrial Electronics & PLC Programming
3076	Production and Assembly Techniques	3039	Production and Assembly Techniques - II
3020	Microprocessors & Microcomputers	3018	Microcontrollers & Advanced Microprocessors
3077	Maintenance of Electronic Equipments	3021	Computer Hardware and Networking
3022	Audio & Video Systems	3020	Audio & Video Systems
329	Electronics lab - II	316	Industrial Electronics & PLC lab
330	Microprocessors / Computers Lab	315	Microcontrollers & Microprocessor lab
331	Electronics Workshop	317	Computer Hardware and Networking Lab
332	Project & Seminar	318	Project & Seminar

Computer Engineering

Revision '97		Revision 2003	
Code (97)	Subject	Code (03)	Subject
1001	English	1001	English
1002	Technical Mathematics.	1002	Technical Mathematics
1003	Applied Science	1003	Applied Science
1004	Engineering Graphics	1004	Engineering Graphics
1013	Electronics Devices & Circuits	1011	Electrical & Electronics Circuits
1014	Basic Electrical Engineering	1010	Computer Fundamentals & C Programming
101	Applied Science Lab	101	Applied Science Lab
108	Computer Workshop	107	Software Lab 1
109	Electronics Lab-1	108	Electronics Lab
2027	Digital Electronics	2031	Logic System Design
2028	Computer Mathematics	2035	UNIX & Object Oriented Programming
2029	Computer Architecture	2033	Computer Architecture
2030	C Programming & Data Structure	2029	Data Structure
2031	System Software	2034	System Software
2032	Microprocessor1	2032	Microprocessors & interfacing
215	Digital Electronics Lab	220	Hardware Lab 1 (Digital & Microprocessor Lab)
216	Microprocessor Lab	221	Software Lab 2 (Data Structures)
217	Programming Practice(C)	222	Software Lab 3
218	PC Package Lab(FoxPro) (Dbase III)	223	Software Lab 4 (Unix & OOPS)
3023	Computer Communication & Network	3023	Computer Communication & Network
3024	Operating System	3027	Visual Programming
3025	Programming in C++	3025	Web Technology
3026	Microprocessor 2	3026	Artificial Intelligence
3027	System Analysis & Design	3024	Software Engineering
317	Computer Hardware Maintenance Lab	320	Hardware Lab II
318	Programming Practice 2 (C++/Oracle)	319	Software Lab 5
319	Assembly Language Programming	321	Software Lab 6
320	Project Work & Seminar	322	Project Work & Seminar
3007	Industrial Management & Entrepreneurship	3008	Industrial Management & Entrepreneurship

Architecture

Revision '97		Revision 2003	
Code97	Subject	Code-03	Subject
1001	English	1001	English
1002	Technical Mathematics	1002	Technical Mathematics
1003	Applied Science	1003	Applied Science
1004	Engineering Graphics	1004	Engineering Graphics
1024	Engineering Mechanics	2074	History of Architecture -II
1025	History of Architecture	1015	History of Architecture-I
1026	Climatology & Environmental Engineering.	1016	Climatology
101	Applied Science Lab	101	Applied Science Lab
1027	Architectural Drawing-1	1017	Architectural Drawing-1
117	Art Drawing	115	Art Drawing
2001	Computer Programming	1005	Computer Fundamentals & Programming in C
2002	Strength of Materials & Theory of Structures	2069	Strength of Materials & Theory of Structures
2062	Surveying	2070	Surveying
2004	Materials of Construction and Construction practice	2071	Materials of Construction
2005	Quantity Surveying	3062	Quantity Surveying
2063	Perspective & Sciography	2075	Perspective & Rendering
2064	Architectural Drawing-II	2076	Architectural Drawing-II
239	CAD – Lab I	260	CAD Lab- I
240	Survey Practical	261	Survey Practical
241	Services & Construction Practice Lab	354	Services & Construction Lab
242	Model Making Workshop	262	Model Making Workshop
3001	Structural Engineering	3061	Structural Engineering
3059	Theory of Architecture	2073	Theory of Architecture
3060	Building Services & Interior Decoration	3063	Interior Design
3061	Principles of Town Planning housing&Building bye Laws	3064	Principles of Town Planning
3062	Architectural Entrepreneurship & Professional Practice	3065	Architectural Entrepreneurship & Professional Practice
3063	Architectural Rendering & Landscape Architecture	3066	Landscape Architecture
3064	Architectural Drawing-III	3067	Architectural Drawing-III
3065	Working Drawing	3068	Working Drawing
364	CAD Lab-II	353	Advanced Computer Application in Architecture Lab
365	Project Work & Seminar	355	Project Work & Seminar

Chemical Engineering

Revision '97		Revision 2003	
Code-97	Subject	Code(03)	Subject
1001	English	1001	English
1002	Technical Mathematics	1002	Technical Mathematics
1030	Inorganic Chemistry	1019	Inorganic Chemistry
1031	Inorganic Process Industries	2084	Chemical Technology - I
1032	Chemical Process Principle	2083	Chemical Process Principle
124	Chemistry Lab	117	Inorganic Chemistry Lab
1004	Engineering Graphics	1004	Engineering Graphics
2052	Mechanical Engineering	2081	General Engineering
2066	Electrical & Electronics	2081	General Engineering
2067	Organic & Physical Chemistry	2082	Organic & Physical Chemistry
2068	Fluid Mechanics	2085	Fluid Mechanics
2069	Heat Transfer	2086	Heat Transfer & Evaporation
2070	Fuels and Combustion	2087	Energy Engineering
2071	Metallurgy & Material Construction	1007	Material Science & Process
2072	Machine Drawing	2088	Chemical Engineering Drawing - I
244	Chemistry Lab	231	Chemistry Lab
245	Workshop Practice	118	Workshop Practice
3007	Industrial Management & Entrepreneurship	3008	Industrial Management & Entrepreneurship
3069	Mechanical Operations	3051	Mechanical Operations
3070	Mass Transfer Operations	3052	Mass Transfer Operations
3071	Instrumentation & Process Control	3053	Process Instrumentation & Control
3072	Organic Process Industries	3054	Chemical Technology - II
3073	Chemical Plant Maintenance & Pollution Control	3055	Maintenance, Safety, Fire & Environmental Engineering
3074	Chemical Engineering Drawing	3120	Chemical Engineering Drawing - II
CHE307	Unit Operation Laboratory (Chemical Engg Lab)*	346	Chemical Engineering Laboratory
353	Technical Analysis Lab	347	Chemical Technology Lab
354	Project & Seminar	348	Project Work & Seminar

* to be confirmed

Tool And Die Engineering

Revision '97		Revision 2003	
Code-97	Subject	Code(03)	Subject
1001	English	1001	English
1002	Technical Mathematics	1002	Technical Mathematics
1003	Applied Science	1003	Applied Science
1004	Engineering Graphics	1004	Engineering Graphics
1028	Production Engineering - I	1018	Production Engineering - I
1029	Material Technology & Heat Treatment	2067	Material Technology
118	Workshop Practice	116	Workshop Practice
101	Applied Science Lab	101	Applied Science Lab
2001	Computer Programming	1005	Computer Fundamentals & Programming in C
2008	Strength of Materials	2008	Applied Mechanics & Strength of Materials
2077	Production Engineering - II	2065	Production Engineering - II
2078	Metrology & Measurement	2066	Engineering Metrology
2011	Hydraulics & Pneumatics	2011	Hydraulics & Hyd.Machines
2012	Electrical & Electronic Engineering	2012	Electrical & Electronic Engineering
2079	Tool Engineering Drawing	2068	Tool Engineering Drawing
248	Materials Testing Lab	242	Materials Testing Lab
249	Metrology & Heat Treatment Lab	243	Metrology & Heat Treatment Lab
250	Workshop Practice - II	244	Workshop Practice - II
251	Tool Room Practice - I	245	Tool Room Practice - I
3007	Industrial Management & Entrepreneurship	3008	Industrial Management & Entrepreneurship
3078	Moulds & Dies	3085	Moulds & Dies Technology
3079	Press Tools	3086	Press Tool Technology
3080	Tool Design	3087	Tool Design
3081	Industrial Engineering & Cost Analysis	3088	Industrial Engineering & Cost Analysis
3082	Press Tool Drawing	3121	Press Tool Drawing
3083	Moulds & Dies Drawing	3122	Moulds & Dies Drawing
366	Tool Room Practice - II	373	Tool Room Practice - II
367	Project & Seminar	(374)*	Project & Seminar
368	Inplant Training	375	Inplant Training

* to be confirmed

Automobile Engineering

Revision '97		Revision 2003	
Code97	Subject	Code(03)	Subject
1001	English	1001	English
1002	Technical Mathematics	1002	Technical Mathematics
1003	Applied Science	1003	Applied Science
1004	Engineering Graphics	1004	Engineering Graphics
1015	Material Science	2059	Material Science
1016	Electrical & Electronic Engineering	1012	Electrical & Electronics Engineering.
101	Applied Science Lab	101	Applied Science Lab
111	Manufacturing Process Practical I	111	Manufacturing Process Practical
2001	Computer Programming	1005	Computer Fundamentals and Programming in C
2033	Automobile Power Plant - I	2060	Applied Thermodynamics
2034	Automobile Power Plant - II	2061	Automobile Power Plant - I
2035	Automobile Electrical Equipment	2062	Automobile Electrical & Electronic Equipments
2011	Hydraulics & Pneumatics	2011	Hydraulics & Hydraulic Pneumatics(Machines)
2036	Production Process of Automobile Components	2063	Production Process of Automobile Components
2037	Automobile Engineering Drawing - I	2064	Automobile Engineering Drawing
204	Hydraulic Lab	207	Hydraulic Lab
219	Manufacturing Process Practical - II Automobile Workshop	217	Manufacturing Process Practical - II Automobile Servicing Lab - I
220	Automobile Electrical Lab	218	Automobile Electrical Lab
221	Automobile Servicing Lab - I Engineering Electrical Lab - I	219	Automobile Servicing Lab - I
3007	Industrial Management & Entrepreneurship	3008	Industrial Management & Entrepreneurship
3028	Automobile Chassis & Body	3041	Automobile Chassis & Body
3029	Automobile Transmission	3042	Automobile Transmission
3030	Automobile Servicing and Maintenance	3043	Automobile Servicing and Maintenance
3031	Design of Machine Elements	3044	Auto Design
3032	Transportation Management	3045	Transport Management
3033	Automobile Engineering Drawing - II	336	Automobile Engineering Drawing & AutoCAD
341	Automobile Engineering Laboratory	337	Automobile Engineering Laboratory
342	Automobile Engineering Lab - II	(338)*to be confirmed	Automobile Servicing Lab - II
343	Project & Seminar	339	Project & Seminar

Polymer Technology

Revision '97		Revision 2003	
Code-97	Subject	Code(03)	Subject
1001	English	1001	English
1002	Technical Mathematics	1002	Technical Mathematics
1003	Applied Science	1003	Applied Science
1004	Engineering Graphics	1004	Engineering Graphics
1017	Polymer Science	1013	Polymer Science
1018	Applied Chemistry	1003	Applied Science
112	Polymer Science Lab	112	Polymer Science Lab Part - I & II
113	Applied Chemistry Lab	113	Applied Chemistry Lab
114	Workshop Practice	114	Workshop Practice
2001	Computer Programming	1005	Computer Fundamentals & Programming in C
2052	Mechanical Engineering	2089	Mechanical Engineering
2053	Electrical & Electronics Engineering	2090	Electrical & Electronics Engineering
2054	Rubber Production	2091	Natural Rubber Production
2055	Technology of Elastomers	2093	Technology of Elastomers
2056	Plastic Technology	2094	Plastic Fibres & Composites
2057	Fibres & Composites	2095	Polymer Processing Methods & Machinery
232	Rubber Technology Lab	233	Polymer Processing & Control Lab
233	Electrical Engineering Lab	235	Electrical Engineering Lab
234	Plastics & Composites Lab	361	Polymer Products Lab
3007	Industrial Management & Entrepreneurship	3008	Industrial Management & Entrepreneurship
3049	Process Control & Instrumentation	3074	Process Control & Instrumentation
3050	Rubber Products	3075	Tyre & Composite Products
3051	Latex Technology	3077	Latex Technology
3052	Quality Control & Testing	3078	Quality Assurance & Testing
3053	Polymer Processing Machinery	2095	Polymer Processing Methods & Machinery
348	Rubber Products Lab	361	Polymer Products Lab
349	Latex Technology Lab	361	Polymer Products Lab
350	Testing Lab	362	Quality Assurance Lab
351	Project Work & Seminar	364	Project Work & Seminar

Wood & Paper Technology

Revision '97		Revision 2003	
Code ⁹⁷	Subject	Code (03)	Subject
1001	English	1001	English
1002	Technical Mathematics.	1002	Technical Mathematics
1003	Applied Science	1003	Applied Science
1004	Engineering Graphics	1004	Engineering Graphics
1037	Raw Materials for Wood & Paper Industries	2107	Raw Materials for Wood & Paper Industries
1038	Botany & Anatomical Structure	1023	Botany & Anatomical Structure
122	Botany & Wood Lab	121	Botany & Wood Laboratory
123	Workshop Practice	122	Workshop Practice – I
101	Applied Science Lab	101	Applied Science Lab
2001	Computer Programming	1005	Computer Fundamentals & Programming in C
2088	Engineering Mechanics	2103	Strength of Materials & Fluid Mechanics
20289	Mechanical & Electrical Engineering	2104	Mechanical & Electrical Engineering
2090	Wood Chemistry	2106	Wood Chemistry
2091	Chemical Engineering	2105	Chemical Engineering
2092	Pulp Technology	2109	Pulp Technology
2093	Wood Products - I	2108	Wood Products - I
259	Pulp & Wood Chemistry Lab	246	Pulp & Wood Chemistry Lab
260	Material Testing & Electrical Lab	247	Material Testing & Electrical Lab
261	Workshop Practice - II	248	Workshop Practice - II
3007	Industrial Management & Entrepreneurship	3008	Industrial Management & Entrepreneurship
3096	Wood Products - II	3089	Wood Products - II
3097	Adhesives Technology	3090	Adhesives Technology
3098	Paper Technology - I	3091	Paper Technology - I
3099	Process Control & Instrumentation	3094	Process Control & Instrumentation
3100	Interior Decoration & Furniture Technology	3093	Interior Decoration & Furniture Technology
3101	Paper Technology - II	3092	Paper Technology - II
369	Paper & Environment Lab	376	Paper & Environment Lab
370	Workshop Practice – III	377	Workshop Practice – III
371	Industrial Training & Project Work	378	Industrial Training, Project Work & Seminar

Printing Technology

Revision '97		Revision 2003	
Code-97	Subject	Code- 03	Subject
1001	English	1001	English
1003	Applied Science	1003	Applied Science
1033	Basic Engineering	1020	Basic Engineering
1034	Printing Process & Materials	1021	Printing Process & Materials
1035	Book Binding	(2119)*	Book Binding (&Finishing)
1036	Letter Assembly	1022	Letter Assembly
101	Applied Science	101	Applied Science (Lab)
119	Printing Process & Materials	119	Printing Process & Materials
120	Book Binding	(241)	Book Binding (& finishing)
121	Letter Assembly	120	Letter Assembly
2001	Computer Programming	1005	Computer Fundamentals & Programming in C
2083	Letter Assembly & Print Design-I	2115	Design & Planning for Print Production
2084	Book Binding & Finishing	2119	Book Binding & Finishing
2085	Reproduction Photography - I	2116	Reproduction Photography
2086	Surface Preparation	2117	Surface Preparation
2087	Press Work - I	2118	Printing Machines
255	Letter Assembly & Print Design-I (Practical)	237	Design & Planning for Print Production (Practical)
256	Book Binding & Finishing	241	Book Binding & Finishing (Practical)
257	Reproduction Photography & Surface Preparation (Practical)	238	Reproduction Photography (Practical)
258	Press Work – I (Practical)	240	Printing Machines (Practical)
3007	Industrial Management & Entrepreneurship	3083	Printing Press Management
3092	Accountancy, Costing & Estimating	3083	Printing Press Management
3093	Letter Assembly& Print Design-II	3079	Digital Prepress
3094	Reproduction Photography - II	3079	Digital Prepress
3095	Press Work - II	3080	Advanced Printing Machines
355	Letter Assembly & Print Design - II (Practical)	365	Digital Press (Practical) Lab
356	Reproduction Photography – II (Practical)	365	Digital Press (Practical) Lab
357	Press Work – II (Practical)	366	Advanced Printing Machines (Practical)
358	Surface Preparation – II (Practical)	365	Digital Prepress (Practical)
359	Project Work & Viva	369	Project Work & Viva

* to be confirmed

Commercial Practice

Revision '97		Revision 2003	
Code-97	Subject	Code(03)	Subject
1039	English I	1024	English I
1040	Hindi	1025	Hindi
1041	Commerce	1026	Business Studies
1042	Statistics & Commercial Arithmetic	2131	Business Statistics
1043	Book Keeping	1028	Accountancy - I
1044	Short Hand	1029	Short Hand English
126	Computer Practice DOS Based	124	Computer Application for Business - I
127	Type Writing	123	Type Writing English Practical
2094	English II	2128	English - II
2095	Accountancy	2129	Accountancy - II
2096	Banking-Law & Practice	2130	Banking
2097	Computer Programming (COBOL)	273	Computer Application for Business - II
2098	Secretarial Practice	2132	Office Admintn (Automation) & Secretarial Practice
2099	Business Economics	1027	Business Economics
2100	Mercantile Law & Industrial Law	2134	Business Laws
2101	Short Hand	2135	Short Hand English
2102	Type Writing - I	2136 (S&M)	Type Writing English Part I,II,III (Part III Code:272)
263	Accounting Practice	392	Accounting Practice(Project Based)
3102	English III	3105	English III
3103	Business Communication	2133	Business Communication
3104	Cost Accounting	3107	Cost Accounting
3105	Office Organization & Automation	3106	Auditing
3106 & 3107	Short Hand (English) Part-I, II, III	3108 Part I 3109 II & III	Short Hand (English) Part-I, II, III
3108	Short Hand Malayalam	3110	Short Hand Malayalam
382	Computer Practice(Windows)	393	Computerised Financial Accounting
3109	Type Writing English (Practical) (I Paper)	3111S,M	Type Writing English Part-I,II,III(Part III Code:391)
3111	Type Writing Malayalam (I & II)	3112S,M	Type Writing Malayalam

Textile Technology

Revision '97		Revision 2003	
Code-97	Subject	Code(03)	Subject
1001	English	1001	English
1002	Technical Mathematics.	1002	Technical Mathematics
1003	Applied Science	1003	Applied Science
1022/1004	Engineering Graphics	1004	Engineering Graphics
101	Applied Science Lab	101	Applied Science Lab
1019	Fibre Science	2097	Textile Fibre
1020	Yarn production - I	2098	Yarn Manufacturing I
1021	Fabric Production - I	1014	Fabric Manufacturing - I
104	Workshop	104	Workshop
2001	Computer Programming	1005	Computer Fundamentals & Programming in C
2046	Descriptive Engineering	2096	Descriptive Engineering
2047	Wet Processing	2101	Tech.of wet Processing
2048	Technology of Man Made Fibres	2097	Textile Fibre
2049	Yarn production – II	2098	Yarn Manufacturing I
2050	Fabric Production – II	2099	Fabric Manufacturing II
2051	Fabric Structure	2100	Fabric Structure
229	Wet Processing (Practical)	227	Wet Processing Practical
230	Yarn production – II (Practical)	228	Yarn Manufacturing I Practical
231	Fabric Production - II (Practical)	229	Fabric Manufacturing II Practical
3007	Industrial Management & Entrepreneurship	3008	Industrial Management & Entrepreneurship
3044	Textile Testing	3046	Textile Testing
3045	Yarn production – III	3047	Yarn Manufacturing II
3046	Fabric Production – III	3048	Fabric Manufacturing (Fashion) Design
3047	Maintenance of Textile Machinery	3049	Maintenance & Calculation
3048	Process Control	3050	Production Planning& Costing
344	Textile Testing (Practical)	340	Textile Testing Practical
345	Yarn production – III (Practical)	341	Yarn Manufacturing II Practical
346	Fabric Production- III (Practical)	342	Fabric Manufacturing III Practical
347	Project & Viva Voce	343	Project & Viva

Instrument Technology

Revision '97		Revision 2003	
Code-97	Subject	Code(03)	Subject
1001	English	1001	English
1002	Technical Mathematics.	1002	Technical Mathematics
1003	Applied Science	1003	Applied Science
1004	Engineering Graphics	1004	Engineering Graphics
101	Applied Science Lab	101	Applied Science Lab
1023	Basic Electrical Engineering	2048	Transducers and Signal Conditioning
1012	Basic Electronics	1009	Basic Electrical & Electronics
115	Instrument Workshop - I	106	Workshop Practice
2001	Computer Programming	1005	Computer Fundamentals & Programming in C
2058	Control Engineering	2050	Control Engineering
2021	Digital Electronics	2023	Digital Electronics
2022	Electronic Circuits	2022	Electronic Circuits
2059	Industrial Instruments – I	2049	Industrial Instruments – I
2060	Electrical Instruments	2024	Electrical Technology
2061	Mechanical Instruments	2051	Mechanical & Electronic Instruments
235	Electrical Instruments Lab	270	Electrical & Electronics Lab
236	Electronics Lab	105	Basic Electronic Lab
237	Industrial Instruments Lab	271	Industrial Instruments Lab - I
238	Instrument Workshop – II	269	Instruments Drafting & Workshop
3007	Industrial Management & Entrepreneurship	3008	Industrial Management & Entrepreneurship
3054	Electronics Instruments	3018	Micro Controllers and Advanced Microprocessors
3055	Industrial Instruments – II	3036	Industrial Instruments - II
3056	Instruments Transducers	3038	Biomedical Instruments
3057	Optical Instruments	3040	Analytical Instruments
3058	Process Control	3037	Process Control
360	Digital Electronics & Microprocessor Lab	315	Micro Controller (&Micro processor Lab)
361	Electronics Instruments Lab	(332)*	Analytical and Mechanical Instruments Lab(Industrial)
362	Industrial Instruments & Control Lab	(334)*	Instrumentation & Control Lab (Analytical & Process control Lab)
363	Project & Seminar	335	Project & Seminar

* to be confirmed

Computer Application And Business Management

Revision '97		Revision 2003	
Code(97)	Subject	Code(03)	Subject
1039	English I	1030	English I
1047	English II	1031	English II
1048	Business Organization and principles of management.	1032	Business Organization and management.
1049	Business Mathematics and Statistical Techniques.	1036	Business Mathematics and Statistical Techniques
1050	Accountancy I	1033	Management Accounting I
1051	Business Economics	1034	Economics for Management
1052	Computer fundamentals and Cobol programming	1035	Computer fundamentals (and Visual Basic)
128	Cobol Programming-Practical	125	Software Lab I (Visual Basic)
127	Typewriting English	126	Word Processing
2100	Business Laws	2120	Management Accounting II
2110	Organizational Behaviour	2021	Organizational Behaviour
2111	Entrepreneurship and small business management	3118	Management of small Business
2109/2095	Accountancy-II (Cobol)	2120	Management Accounting II
2096	Banking – Law and practice	2124	Principles of management
2112	Office Automation Software I	2127	Programming in C++
2113	Database Management	3119	Database Management (systems)
269	Office Automation(Practical)	268	Software Lab – III(C++)
270	Foxpro Lab	387	Software Lab -IV
2102	Typewriting English	125	Word Processing
263	Accountancy Practice	2124	Principles of management (Case study analysis)
3103	Business Communication	2122	Business Communication
3104	Cost Accounting	2120	Management Accounting II
3119	Financial Management	2125	Financial Management
3120	Marketing Management	3113	Marketing Management
3121	Human Resources Management	3114	Human Resources Management
3122	Production/Operations Management	2126	Production/Operations Management
3123	System Analysis and design	3119	Database management system
386	Oracle Lab	389	Software Lab -V
387	Financial Accounting Software package	388	Marketing Management(Case study and analysis)
3110	Typewriting	125	Word Processing
388	Project work and seminar	390	Project work and seminar

Computer Hardware Maintenance

Revision '97		Revision 2003	
Code (97)	Subject	Code(03)	Subject
1001	English	1001	English
1002	Technical Mathematics	1002	Technical Mathematics
1003	Applied Science	1003	Applied Science
1004	Engineering Graphics	1004	Engineering Graphics
1011	Electrical Engineering	1011	Electrical & Electronics Circuits
1012	Basic Electronics	1010	Computer Fundamentals & C Programming
101	Applied Science Lab	101	Applied Science Lab
107	Basic electronics Lab	108	Electronics Lab
106	Workshop Practice	107	Software lab – I
2038	Electronics Circuits& Linear ICs	2037	Electronics Devices & Circuits
2039	Digital electronics	2031	Logic System Design
2040	Microprocessor Architecture & Interfacing	2032	Microprocessor & interfacing
2041	Transducers & Display Systems	2036	Transducers & Display Systems
2024	Electronics Instruments &Measurements	2034	System Software
2042	Computer Fundamentals & Programming	2035	UNIX & OOPS
222	Electronics Circuits &Linear ICs	224	Electronics Lab II
223	Digital & Microprocessor lab	225	Digital electronics lab
224	Computer Lab	223	Software Lab
225	Electronics Workshop	226	Microprocessor Lab
3007	Industrial Management & Entrepreneurship	3008	Industrial Management & Entrepreneurship
3034	Advanced Microprocessors	3028	Advanced Microprocessors & micro Controllers
3035	Programming in C	3027	Visual Programming
3036	Operating System	3030	TCP/IP
3037	Computer Peripherals & maintenance	3029	Computer Peripherals & Trouble Shooting
3038	Computer Communication &Networking	3023	Computer Communication &Networking
321	Computer Lab	321	Software Lab
322	Computer hardware & Maintenance Workshop	323	Networks & Computer Peripherals Lab
323	Project Work	-	-
324	Seminar	325	Project Work & Seminar

Information Technology

Revision '97		Revision 2003	
Code (97)	Subject	Code(03)	Subject
1001	English	1001	English
1002	Technical Mathematics	1002	Technical Mathematics
1003	Applied Science	1003	Applied Science
1004	Engineering Graphics	1004	Engineering Graphics
1053	Information Technology Basics	1010	Computer Fundamentals & C Programming
1054	Basic Electrical Engineering	1011	Electrical & Electronics Circuits
101	Applied Science Lab	101	Applied Science Lab
129	Computer Practice	107	Software Lab I
130	IT Basics lab	108	Electronics Lab
2114	Digital Electronics	2031	Logic System Design
2115	Computer Organisation	2033	Computer Architecture
2116	Programming Languages	2110	Data Structures
2117	System Software	2034	System Software
2118	Database Management System	2113	Object Oriented Programming using C++
2119	Management Information System	2112	Microprocessor based Systems
271	Programming Language lab	257	OOPS (C++) Lab
272	DBMS Lab	256	Data Structures Lab
273	Digital Electronics Lab	259	Logic System Design & ALP Lab
274	Computer Applications Lab	258	Network and hardware Lab
3124	Management Environment and Safety	3008	Industrial management & Entrepreneurship
3125	RDBMS	3100	Database Management Systems
3126	Data Communication and Network	3102	Computer Graphics & Multimedia
3127	Information Theory	3103	E Commerce
3128	Software Engineering	3099	Software Engineering & Project management
3129	Web Technology	3101	Internet Programming
397	Data Communication Lab	382	Computer Graphics and Multimedia Lab
398	Oracle Lab	384	DBMS Lab
399	C++, C#, Java	383	Internet Programming
400	Seminar (& Project work)	385	Project Work & Seminar