

GOVERNMENT OF KERALA ABSTRACT

Higher Education – Technical – Equivalent / alternate subjects in Revision 2003 scheme for Revised scheme and Revision 97 scheme - Diploma Courses conducted in Polytechnics under IHRD – identified - Orders issued.

HIGHER EDUCATION (L) DEPARTMENT

G.O. (Rt)No. 1061/09/H.Edn. Dated, Thiruvananthapuram, 15.7.2009.

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- Read:- (1) G.O. (Ms)No. 149/07/H.Edn dated, 18.12.2007
(2) G.O.(Ms)No. 169/08/H. Edn dated, 11.12.2008
(3) Letters No.C2/39882/06 dated 16.3.2009 and 1.6.2009 from the Senior Joint Director (PS), Office of the Director of Technical Education, Thiruvananthapuram..
(4) Correspondence resting with the letter No. D2/1078/09/HRD dated 11th june 2009.from the Directors, IHRD, Thiruvananthapuram.

O R D E R

The new curriculum and syllabus under the Semester system was implemented in Polytechnic Colleges from the Academic year 2006-2007. Students who discontinued their studies under revision 2003 due to unavoidable reasons and wish to continue their studies in the IIIrd and Vth Semester under Revision 2006 (Semester System) have to pass additional subjects if any, in the 1st Year (S1 and S2 combined), IIIrd and IV Semester examinations.

As per reference read as IIIrd paper above, the Senior Joint Director (PS) forwarded a list of subjects for additional and equivalent / alternate subjects to be passed by the students of Polytechnic Colleges under IHRD seeking re-admission from Revision 2003 scheme to Revision 2006 (Semester system) and those students who have still to pass the examinations under Revised Scheme and Revision 97 scheme has to pass the examination in equivalent / alternate subject under Revision 2003 scheme.

Having examined the matter in detail, Government are pleased to approve the additional subjects in Revision 2006 to be passed by readmitted students under Revision 2003 scheme and equivalent/alternate papers in Revision 2003 scheme for the subjects in Revised scheme and Revision 97 scheme as appended to this Government Order with effect from the examinations conducted during March 2009.

(BY ORDER OF THE GOVERNOR),
CRIMON WESTER
DEPUTY SECRETARY TO GOVERNMENT.

To

The Director of Technical Education, Thiruvananthapuram.
The Senior Joint Director (PS), Thiruvananthapuram.
The Director, IHRD, Thiruvananthapuram.
The Joint Director, Curriculum Development Centre, Kalamassery.
Stock file / Office copy.

Forwarded / By Order

Sd/-
Section Officer

Endt. No.C2/39882/06.. dtd: 13.8.2009.

Copy communicated to the Director Institute of Human Resources Development Thiruvananthapuram, Joint Director, curriculum Development Centre, Kalamassery, Joint Controller of Technical Examinations Kaimanam , Thiruvananthapuram, Deputy Director (General), Directorate of Technical Education, Thiruvananthapuram. S.F.& O.C.

Sd/-
MUHAMMED ABDHU RAHUMAN
DEPUTY DIRECTOR (G)
For DIRECTORATE OF TECHNICAL EDUCATION.

FORWARDED/BY ORDER

Sd/-
SUPERINTENDENT

ADDITIONAL SUBJECTS - CHANGE OVER FROM
REVISION: 2003 REVISION : 2006

LIST OF ADDITIONAL SUBJECTS

Sl. No	Name of branch	Semester (Rev 06)	Name of additional subjects	Code No.
1	Medical Electronics	S1 & S2	English	GE 101
		S3	Object Oriented Programming in C++	ME 304
		S3	Computer Practice Lab	ME 307
		S4	No additional Subjects	
2	Telecommunication Technology	S1 & S2	English	GE101
		S3	Computer Practice (Lab)	TT 307
		S4	Audio and Video Systems	TT 403
3	Applied Electronics	S1 & S2	English	GE 101
		S3	Computer Practice (Lab)	AE 307
		S4	Entertainment & Consumer Electronics	AE 403

EQUIVALENT SUBJECTS
FROM REVISED SCHEME TO REVISION 2003

APPLIED ELECTRONICS

Revised Scheme		Revision 2003	
Code	subject	Code (03)	Subject
FIRST YEAR			
GE 101	English	1001	English (GE101)
GE 102	Tech. Mathematics	1002	Tech. Mathematic (GE102)

GE 103	Science	1003	Applied Science (GE103)
GE 104	Engg. Graphics	1004	Engg. Graphics (GE104)
AE 105	Electrical Engineering	1009	Basic Electrical & Electronics (AE101)
AE106	Basic Electronics	1005	Computer Fundamentals & Programming in C (GE105)
AE 108	Basic Electronics Lab	109	Basic Electronics Lab (AE102)
AE 109	Mechanical Workshop	110	Engineering Workshop (AE103)
AE 107	Electrical Lab/Workshop	101	Applied Science Lab (GE105)

SECOND YEAR

AE 201	Electronic circuits & Linear Ics	2137	Electronic circuits & Linear Ics (AE201)
AE 202	Digital Electronic	2038	Digital System Design (AE202)
AE203	Micro Processors Architecture & Programming	2032	Micro Processors & Interfacing (AE204)
AE 204	Electronic Testing & Measuring Instrumens	2041	Entertainment Electronics (AE206)
AE 205	Transducers & display systems	2039	Transducers & Measuring Systems (AE203)
AE 206	Computer Fundamentals & Programming	2028	Programming in C++ & Visual Basic (AE207)
AE 207	Electronic circuits & Linear Ic lab	249	Electronic circuits & Linear Ic Lab (AE208)
AE 208	Digital Micro Processor Lab	225	Digital Electronics Lab(AE209)
AE209	Computer Lab	226	Micro Processor Lab (AE210)
AE 210	Electronics Workshop II	250	Electronics Workshop (AE211)

THIRD YEAR

AE 301	Communication Engg.	3031	Advanced Communications Systems (AE303)
AE 302	Instrumentation	3034	Advanced Instrumentation Systems (AE306)
AE303	Entertainment Electronics	3032	Computer H/W & Network Technology (AE304)
AE 304	High frequency Techniques	3028	Advanced Microprocessors & Micro controllers (AE302)

AE 305	Industrial & Power Electronics	3033	Industrial & Power Electronics (AE305)
AE 306	Industrial Management	3008	Industrial Management & Entrepreneurship (GE301)
AE 307	Power Electronics Lab	327	Power Electronics & Micro Controller Lab (AE308)
AE 308	Electronics Equipment Maintenance Workshop	326	Electronics Equipment Maintenance & Trouble shooting Lab(AE307)
AE 309	Project Work & Viva	329	Project Work & Seminar (AE310)

MEDICAL ELECTRONICS

Revised scheme (Medical Instrumentation)		Revision 2003 (Medical Electronics)	
Code	Subject	Code (03)	Subject
First Year			
MI 101	English	1001	English (GE101)
MI 102	Tech. Mathematics	1002	Tech. Mathematics(GE102)
MI 103	Science	1003	Applied Science (GE1023)
MI 104	Engg. Graphics	1004	Engg. Graphics (GE104)
MI 105	Electrical Engineering	1009	Basic Electrical & Electronics (ME101)
MI 106	Basic Electronics	1005	Computer Fundamentals & Programming in C (GE105)
MI 108	Basic Electronics Lab	109	Basic Electronics Lab (ME102)
MI 109	Mechanical Workshop	110	Engineering Workshop (ME103)
MI 107	Electrical Lab/Workshop	101	Applied Science Lab (GE106)
Second Year			
MI 201	Electronic Circuits & Linear IC	2137	Electronic circuits & Linear IC (ME201)

MI 202	Digital Electronics	2038	Digital System Design (ME202)
MI 203	Micro Processors Architecture & Programming	2032	Micro Processors & Interfacing (ME204)
MI 204	Electrical Testing & Measuring Instruments	2044	Medical Instruments - I (ME206)
MI 205	Transducers & Display Systems	2039	Transducers & Measuring Instruments (ME203)
MI 206	Basic Medical Science	2043	Basic Medical Science (ME205)
MI 207	Electronic circuits & Linear IC Lab	251	Circuits and ME Lab (ME208)
MI 208	Digital & Micro Processor Lab	225	Digital Electronics Lab (ME209)
MI 209	Medical Electronics Lab	226	Micro Processor Lab (ME210)
MI 211	Electronic Workshop-II	250	Electronics Workshops (ME211)
Third Year			
MI 301	Computers in Medicine	3060	Modern Medical Science (ME306)
MI 302	Analytical and Diagnostic Systems	3056	Medical Instruments II (ME302)
MI 303	Therapeutic and Imaging Systems	3058	Medical Imaging Techniques (ME304)
MI 304	Hospital Plant Utilization	3057	Hospital System (ME303)
MI 305	Power Electronics	3059	Industrial Electronics & Microcontrollers (ME305)
MI 306	Industrial Management	3008	Industrial Management & Entrepreneurship (GE301)
MI 307	Computer Lab	351	Computer Lab (GE301)
MI 308	Medical Maintenance Workshop	349	Medical Equipments Maintenance & Troubleshooting Lab (ME307)
MI 310	Project work & Viva	352	Project Work & Seminar (ME310)

EQUIVALENT / ALTERNATE PAPERS

From 97 Revision to 2003 Scheme

Branch: **TELECOMMUNICATION TECHNOLOGY**

Revision 97		Revision 03	
Code (97)	Subject	Code (03)	Subject
1001	English	1001	English (GE101)
1002	Technical Mathematics	1002	Technical Mathematics (GE102)
1003	Applied Science	1003	Applied Science (GE103)
1004	Engineering Graphics	1004	Engineering Graphics (GE104)
1011	Electrical Engineering I	1005	Computer Fundamentals & Programming in C (GE105)
1012	Basic Electronics	1009	Basic Electrical & Electronics (TT101)
101	Applied Science Lab	101	Applied Science Lab (GE106)
107	Basic Electronics Lab	109	Basic Electronics Lab (TT102)
106	Workshop Practice	110	Engineering Workshop (TT103)

SECOND YEAR

2038	Electronic Circuits & Linear IC s	2137	Electronic Circuits & Linear IC s (TT201)
2043	Digital Electronics & Microprocessors	2038	Digital System Design (ME202)
2044	Communication Engineering I	2040	Principles Communication Engineering (TT205)
2080	Test & Measuring Instruments	2039	Transducers & Measuring Instruments (TT203)
2081	Audio Video Systems	2042	Telecommunication Switching system (TT206)
2045	Computer Organization & Programming	2032	Microprocessors & Interfacing (TT204)
222	Electronic Circuits & Linear IC s	254	Circuits & Communication Lab (TT208)
223	Digital Electronics & Microprocessor Lab	225	Digital Electronics Lab (TT209)

227	Computer Practice	226	Microprocessor Lab (TT210)
225	Electronics Workshop	250	Electronics Workshop (TT211)
225	Mini Project		

THIRD YEAR

3007	Industrial Management & Entrepreneurship	3008	Industrial Management & Entrepreneurship (GE301)
3084	Communication Engineering II	3031	Advanced Communication Systems (TT303)
3085	Computer Network & Network Products	3020	Audio & Video Electronics (TT304)
3086	Telecom Equipments	3070	Telecom equipments(TT306)
3042	Micro controllers and application	3028	Advanced Microprocessors & Microcontrollers (TT302)
3087	Modern Communication Systems	3069	Wireless Communication Network
378	System Lab	357	Communication Systems and Microcontroller Lab (TT308)
379	Communication Equipment and maintenance Lab	356	Telecom equipment maintenance & Trouble Shooting Lab (TT307)
380	Project Work & Viva Voce	358	Project Work & Seminar (TT310)
381	Seminar		

EQUIVALENT / ALTERNATE PAPERS

From Revision 97 to Revision - 03

Branch: **APPLIED ELECTRONICS**

Revision 97		Revision 03	
1001	English	1001	English (ge101)
1002	Technical Mathematics	1002	Technical Mathematics (GE102)
1003	Applied Science	1003	Applied Science (GE103)
1004	Engineering Graphics	1004	Engineering Graphics (GE104)

1011	Electrical Engineering I	1005	Computer Fundamentals & Programming in C (GE105)
1012	Basic Electronics	1009	Basic Electrical & Electronics(AE101)
101	Applied Science Lab	101	Applied Science Lab (GE106)
107	Basic Electronics Lab	109	Basic Electronics Lab (AE101)
106	Workshop Practice	110	Engineering Workshop (AE103)
<u>SECOND YEAR</u>			
2024	Electronics Instruments & Measurements	2041	Entertainment & Consumer Electronics (AE206)
2038	Electronic Circuits & Linear IC s	2137	Electronic Circuits & Linear IC s (AE201)
2041	Transducers & Display Systems	2039	Transducers & Measuring Instruments (AE203)
2043	Digital Electronics & Microprocessors	2038	Digital System Design (AE202)
2044	Communication Engineering I	2040	Principles of Communication Engineering (AE205)
2045	Computer Organization Programming	2032	Microprocessors & Interfacing (AE204)
223	Digital Electronics & Microprocessor Lab	225	Digital Electronics Lab (AE209)
222	Electronic Circuits & Linear Ics Lab	249	Electronic Circuits and Linear Ics Lab (AE208)
225	Electronics Workshop	250	Electronics Workshop (AE211)
227	Computer Practice	226	Microprocessor Lab (AE210)
228	Mini Project		
THIRD Year			
3007	Industrial Management & Enterpreurship	3008	Industrial Management & Enterpreurship (GE301)
3039	Communication Systems	3031	Advanced Communication Systems (AE303)
3040	Instrumentation	3034	Advanced Instrumentation systems
3041	Entertainment Electronics	3032	Computer Hardware & Network Technology
3042	Micro Controllers & applications	3028	Advanced Microprocessors Micro Controllers (AE302)

3043	Industrial & Poer Electronics	3033	Industrial & Power Electronics
337	Power Electronics Lab	327	Power Electronics Microcontroller Lab
338	Electronic Equipment & Maintenance Workshop	326	Electronic equipments maintenance and trouble shooting Lab (AE307)
339	Project	329	Project work & Seminar (AE310)
310	Seminar		

EQUIVALENT / ALTERNATE PAPERS

From Revision 97 to Revision - 03

Branch: **MEDICAL ELECTRONICS**

Revision 97		Revision 03	
Code(97)	Subject	Code (03)	Subject
1001	English	1001	English (GE101)
1002	Technical Mathematics	1002	Technical Mathematics (GE102)
1003	Applied Science	1003	Applied Science (GE103)
1004	Engineering Graphics	1004	Engineering Graphics (GE104)
1011	Electrical Engineering I	1005	Computer Fundamentals & Programming in C (GE105)
1012	Basic Electronics	1009	Basic Electrical & Electronics (ME101)
101	Applied Science Lab	101	Applied Science Lab (GE106)
107	Basic Electronics Lab	109	Basic Electronics Lab (ME102)
106	Workshop Practice	110	Engineering Workshop (ME103)

SECOND YEAR

2038	Electronic Circuits & Linear IC s	2137	Electronic Circuits & Linear Ics (ME201)
2039	Digital Electronics	2038	Digital Design (MEME202)
2040	Microprocessor & Architecture & Interfacing	2032	Microprocessors & Interfacing (ME204)

2041	Transducers & Display Systems	2039	Transducers & Measuring Instruments (ME203)
2024	Electronics Instruments & Measurements	2044	Medical Instruments I (ME206)
2082	Basic Medical Science	2043	Basic Medical Science (ME205)
222	Electronic Circuit & Linear Ics Lab	251	Circuits and Medical Electronics Lab (ME208)
223	Digital Electronics & Microprocessor Lab	225	Digital Electronics Lab (ME209)
253	Medical Electronics Lab	226	Microprocessor Lab (MEME210)
225	Electronics Workshop	250	Electronics Workshop (ME211)
254	Mini Project		

THIRD YEAR

3007	Industrial Management & Enterpreurship	3008	Industrial Management & Enterpreurship (GE301)
3088	Computers in Medicine	3060	Modern Medical Science (ME306)
3089	Analytical and Diagnostic Systems	3056	Medical Instruments II (ME302)
3090	Therapeutic & Imaging System	3058	Medical Imaging Techniques (ME304)
3091	Hospital Engineering	3057	Hospital Systems (ME303)
3043	Industrial & Power Electronics	3059	Industrial Electronics & Micro controllers (ME305)
372	Computer Lab	351	Computer Lab
373	Medical Maintenance Workshop	349	Medical Equipment maintenance & Trouble Shooting Lab (ME307)
374	Project Work	352	Project Work & Seminar (ME310)
375	Seminar		