



**GOVERNMENT OF KERALA
ABSTRACT**

Higher Education – Technical – Diploma Courses - Equivalent / alternate subjects in Revision 2006 scheme for subjects in Revision 2003 Scheme and equivalent / alternate subjects in MPEC 2004 scheme for subjects in MPEC 1992 Scheme – identified– Orders issued

HIGHER EDUCATION (L) DEPARTMENT

G.O.(Ms) No. 75/2012/H.Edn.

Dated, Thiruvananthapuram, 29/02/2012

Read:- Letters No. C2/140780/11 dated 08/02/12 from the Director of Technical Education, Thiruvananthapuram.

ORDER

As per the letter cited above, the Director of Technical Education has proposed list of

- (1) Equivalent subjects in Revision 2006 scheme for subjects in Revision 2003 Scheme
- (2) Equivalent subjects in MPEC 2004 scheme for subjects in MPEC 1992 Scheme

Having examined the matter in detail, Government are pleased to approve the Equivalent subjects in Revision 2006 scheme for subjects in Revision 2003 Scheme and Equivalent subjects in MPEC 2004 scheme for subjects in MPEC 1992 Scheme as appended to this Government Order with effect from March, 2012.

(BY ORDER OF THE GOVERNOR)
O. CHANDRIKA
UNDER 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 Controller of Technical Examination, Thiruvananthapuram
The Director, IHRD, Thiruvananthapuram
Joint Director, Curriculum Development Centre, Kalamassery
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**CURRICULUM DEVELOPMENT CENTRE
KALAMASSERY**

**LIST OF EQUIVALENT/ALTERNATE SUBJECTS
(MPEC)**

REVISED SCHEME 1992 to REVISION 2004

ELECTRONICS AND AVIONICS

MPEC (92)		Equivalent/Alternate courses in MPEC(04)	
CODE	COURSE	CODE	COURSE
101	English-I	101	English-I
102	English-II	102	English-II
103	Mathematics -I	103	Mathematics -I
104	Mathematics -II	104	Mathematics -II
105	Science - I	105	Science - I
106	Science -II	106	Science -II
107	Engineering Graphics	107	Engineering Graphics
108	Workshop Practice	108	Workshop Practice
201	Electrical Engineering -I	201	Electrical Engineering -I
202	Basic Electronics	202	Basic Electronics
203	Digital Electronics -I	203	Digital Electronics -I
204	Introduction to Computer and basic programming	204	Basics of Computer Systems
205	Electronic Circuits - I	205	Electronic Circuits - I
206	Digital Electronics -II	206	Digital Electronics -II
207	Electrical Engineering -II	207	Electrical Engineering -II
208	Office Automation Software	208	Office Automation
209	Electronics Instruments and Measurement	209	Test and Measuring Instruments
210	Electronics Drafting and Workshop	210	Electronics Drafting and Workshop
301	Electronic Circuits - II	301	Electronic Circuits - II
302	Op. Amp and Linear IC's	302	Linear Integrated Circuits
303	Microprocessors	303	Microprocessors
304	Microprocessor Interfacing	304	Advanced Microprocessor & Interfacing
305	Industrial Management	305	Management Quality and safety, Human Resource Management
331	Control Engineering	320	Control Engineering
332	Communication Engineering -1	315	Communication Engineering
333	Audio & Video Systems	316	Audio Video Systems
334	T.V. Engineering	317	T.V. Engineering
336	Radio & Home appliances Lab	325	Equipment Maintenance & Computer Hardware
394	Project work and Seminar	394	Project work and Seminar
431	Aero Space telemetry	431	Aero Space telemetry
432	Aviation Electronics	432	Aviation Electronics
433	Quality Control & Reliability Engineering	433	Quality Control & Reliability Engineering
434	Antennas	413	Antennas Engineering
435	Radar Engineering	414	Radar Engineering
436	Microwave engineering	415	Microwave Engineering

ELECTRONICS & INSTRUMENTATION

MPEC (92)		Equivalent/Alternate courses in MPEC(04)	
CODE	COURSE	CODE	COURSE
101	English-I	101	English-I
102	English-II	102	English-II
103	Mathematics -I	103	Mathematics -I
104	Mathematics -II	104	Mathematics -II
105	Science - I	105	Science - I
106	Science -II	106	Science -II
107	Engineering Graphics	107	Engineering Graphics
108	Workshop Practice	108	Workshop Practice
201	Electrical Engineering -I	201	Electrical Engineering -I
202	Basic Electronics	202	Basic Electronics
203	Digital Electronics -I	203	Digital Electronics -I
204	Introduction to Computers & Basic Programmes	204	Basics Of Computer Systems
205	Electronic Circuits - I	205	Electronic Circuits - I
206	Digital Electronics -II	206	Digital Electronics -II
207	Electrical Engineering -II	207	Electrical Engineering -II
208	Office Automation Software	208	Office Automation
209	Electronics Instruments And Measurements	209	Test And Measuring Instruments
210	Electronics Drafting And Workshop	210	Electronics Drafting And Workshop
301	Electronic Circuits - II	301	Electronic Circuits - II
302	Linear Integrated Circuits	302	Linear Integrated Circuits
303	Microprocessors	303	Microprocessors
304	Advanced Microprocessor & Interfacing	304	Advanced Microprocessor & Interfacing
305	Industrial Management	305	Management Quality And Safety, Human Resource Management
335	Industrial Electronics	324	Data Structure And C Programming
331	Control Engineering	320	Control Engineering
334	Television Engineering	323	Bio-Medical Instruments I
337	Industrial Instruments - I	321	Industrial Instruments - I
338	Instrument Transducers	322	Instrument Transducers
393	Project Work And Seminar	393	Project Work And Seminar
	ELECTIVE COURSES		
421	Industrial Instruments II	424	Industrial Instruments II
422	Process Control	422	Process Control
423	Opto – Electronic Instruments	417	Micro controller and its Applications
424	Biomedical Instruments	424	Biomedical Instruments- II
425	Communication Engineering - 1	411	Modern Communication System
426	Audio And Video Systems	316	Audio & Video System

ELECTRONICS AND COMMUNICATION

MPEC (92)		Equivalent/Alternate courses in MPEC(04)	
CODE	COURSE	CODE	COURSE
101	English-I	101	English-I
102	English-II	102	English-II
103	Mathematics -I	103	Mathematics -I
104	Mathematics -II	104	Mathematics -II
105	Science - I	105	Science - I
106	Science -II	106	Science -II
107	Engineering Graphics	107	Engineering Graphics
108	Workshop Practice	108	Workshop Practice
201	Electrical Engineering -I	201	Electrical Engineering -I
202	Basic Electronics	202	Basic Electronics
203	Digital Electronics -I	203	Digital Electronics -I
204	Introduction To Computer And Basic Programming	204	Basics Of Computer Systems
205	Electronic Circuits - I	205	Electronic Circuits - I
206	Digital Electronics -II	206	Digital Electronics -II
207	Electrical Engineering -II	207	Electrical Engineering -II
208	Office Automation Software	208	Office Automation
209	Electronics Instrumentation And Measurement	209	Test And Measuring Instruments
210	Electronics Drafting And Workshop	210	Electronics Drafting And Workshop
301	Electronic Circuits - II	301	Electronic Circuits - II
302	Op. Amp And Linear IC's	302	Linear Integrated Circuits
303	Microprocessors	303	Microprocessors
304	Microprocessor Interfacing	304	Advanced Microprocessor & Interfacing
305	Industrial Management	305	Management Quality And Safety, Human Resource Management
332	Communication Engineering -I	315	Communication Engineering
333	Audio & Video Systems	316	Audio Video Systems
334	T.V. Engineering	317	T.V. Engineering
335	Industrial Electronics	318	Data Structure and 'C' Programming
336	Radio & Home Appliances Lab	319	Equipment Maintenance & Computer Hardware
392	Project Work And Seminars	392	Project Work And Seminar
	ELECTIVE COURSES		
411	Communication Engineering - II	417	Micro controller and its Application
412	Transmission Lines	412	Telemetry & Remote Sensing
413	Antennas	413	Antenna Engineering
414	Radar Engineering	414	Radar Engineering
415	Microwave Engineering	415	Microwave Engineering
416	Advanced Communication System	411	Modern Communication System.
		418	Bio Medical Instrumentation

COMPUTER APPLICATION & BUSINESS MANAGEMENT UNDER MPEC

MPEC(92)		MPEC(R-04)	
Code	Subject	Code	Subject
1101	English – I	1101	English – I
1102	English – II	1102	English – II
1103	Business& Social System	1209	Business Environment
1104	Foundation Course In Science & Technology	1103	Foundation Course In Science & Technology
1105	Business Mathematics	1105	Business Mathematics
1106	Management Accounting-1	1106	Management Accounting – I
1107	Typewriting	1107	Word Processing
1201	English – III	1201	English – III
1202	Business Communication	1202	Business Communication
1203	Economics For Management	1203	Economics For Management
1204	Business Statistics	1204	Business Statistics
1205	Business Organisation & Management	1205	Business Law
1206	Management Accounting-II	1206	Management Accounting-II
1207	Electronic Typewriting	1207	Office Automation Software – I
1208	Organisational Behaviour	1301	Organisational Behaviour
1209	Introduction To Computers & Basic Programming	1104	Computer Fundamentals & Visual Basic
1210	Business Environment	1209	Business Environment
1301	Principles Of Management	1208	Principles Of Management
1302	Personnel Management	1302	Human Resource Management
1303	Financial Management	1303	Financial Management
1304	Marketing Management	1304	Marketing Management
1305	Public Relations	1202	Business Communication
1306	Modern Office Management	1305	Office Automation Software -II
1307	Production/ Operations Management	1306	Production/ Operations Management
1308	Management Of Small Business	1308	Management Of Small Business
1309	Cobol Programming	1307	Programming In C++
1310	Office Automation Software	1309	Data Base Management Systems
1399	Project Work & Seminar	1399	Project Work & Seminar
1401	Wage & Salary Administration	1401	Customer Relations Management
1402	Industrial Relations Management	1405	Hospital Administration
1403	Working Capital Management	1406	Travel & Tourism Management
1404	Industrial Finance	1404	Hotel Management
1405	Sales Management & Marketing Information Systems	1402	Sales Management & Marketing Research
1406	Advertising Management & International Marketing	1403	Advertising Management

COMPUTER ENGINEERING

MPEC (92)		Equivalent/Alternate courses in MPEC(04)	
CODE	COURSE	CODE	COURSE
101	English-I	101	English-I
102	English-II	102	English-II
103	Mathematics -I	103	Mathematics -I
104	Mathematics -II	104	Mathematics -II
105	Science - I	105	Science - I
106	Science -II	106	Science -II
107	Engineering Graphics	107	Engineering Graphics
108	Workshop Practice	108	Workshop Practice
201	Electrical Engineering -I	201	Electrical Engineering -I
202	Basic Electronics	202	Basic Electronics
203	Digital Electronics -I	203	Digital Electronics -I
204	Introduction To Computer And Basic Programming	204	Basics Of Computer Systems
205	Electronic Circuits - I	205	Electronic Circuits - I
206	Digital Electronics -II	206	Digital Electronics -II
207	Electrical Engineering -II	207	Electrical Engineering -II
208	Office Automation Software	208	Office Automation
209	Electronics Instrumentation And Measurement	209	Test And Measuring Instruments
210	Electronics Drafting And Workshop	210	Electronics Drafting And Workshop
301	Electronic Circuits - II	301	Electronic Circuits - II
302	Op. Amp And Linear IC's	302	Linear Integrated Circuits
303	Microprocessors	303	Microprocessors
304	Microprocessor Interfacing	304	Advanced Microprocessor & Interfacing
305	Industrial Management	305	Management Quality And Safety, Human Resource Management
311	C Language Programming	213	Data Structure with C
312	Computer Peripherals & Interfacing	314	Microprocessor II
313	Data Communication	212	Data Communication
314	Operating Systems (Dos & Unix)	312	Operating Systems
315	Computer System Hardware	308	Computer System Hardware
391	Project Work & Seminar	391	Project Work & Seminar
	ELECTIVE COURSES		
401	System Analysis & Design	401	Software Engineering
402	COBOL Programming	402	Active Server Pages
403	Computer Aided Drafting using AutoCAD	403	Computer Graphics
404	Fortran 77 Programming	310	DBMS through Oracle
405	Assembly Language	311	Assembly Language Programming
406	Numerical Techniques	406	TCP/IP
407	Programming Methodology & Pascal Programming	306	Object Oriented Programming