



**MAHARASHTRA STATE
BOARD OF TECHNICAL EDUCATION**

(Autonomous)

(ISO:9001:2000)

Govt. Poly. Bldg., 4th floor, 49, Kherwadi, Bandra (East), Mumbai-400 051

Tel : 022-26471255 (O)/ 26470916 (P)

Fax : 022-26473979

Email : secretary@msbte.com

Web : www.msbte.com

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IMPORTANT LETEER

**To,
All the Heads of Institution
Affiliated to M. S. Board of Technical Education**

**Sub :- Discontinuation of Question Papers of Computer Group 'O, N, R & S'
Scheme from Summer 2011 Examination.**

According to the provision made in the O. G. 29 the following Question Papers of **Computers Groups 'O, N, R & S' Scheme** will not be printed from Summer 2011 Examination. The failed students in these subject will have to appear to the equivalent / substitute subject of 'A' Scheme (wherever applicable) as per the Annexure.

You are instructed to communicate the closure of '**O, N, R & S**' master code and content of this letter to all staff and concerned students of your institute. The clarification required if any, be sought from this office.

(P.A.Naik)

Secretary

Maharashtra State

Board of Technical Education,

Mumbai - 51

- 1) Copy submitted to the Director of Technical Education, M. S. Mumbai, for information please.
- 2) Copy forwarded to the Jt. The Director of Technical, M. S. Mumbai / Pune / Aurangabad / Nagpur / Amravati for information please.
- 3) Copy forwarded to the Dy. Secretary Regional Board of Technical Education Pune / Nagpur / Aurangabad and Officer-in Charge Mumbai Sub Region for information and necessary action.
- 4) Copy forwarded to all the concerned officers of M. S. Board of Technical Education for information and necessary action D-40, D-42, D-43 & D-45.

**EQUIVALENT SUBJECTS FOR EXAMINATION FROM "O","N","R","S"
TO
"A" SCHEME**

Course Code	Year Code	Master Code	Subject Name	Subject Abbr	Paper Code	Equi. Subject code	Equivalent Subject name	Additional subject Name
CM	2	N	BASIC ELECTRONICS	BTX	6020	908	Elements of Electronics Engg. And Basic Electronics	
CM	2	N	APPLIED MATHEMATICS(ELECTRONICS)	AMT	6055	1108	APPLIED MATHEMATICS	
CM	2	N	ELECTRON. MATERIALS & COMPONENTS	XMC	6056	1109	ELECTRONIC MATERIALS AND COMPONENTS	
CM	2	N	ELECTRICAL ENGINEERING	EEG	6057	1110	ELECTRICAL ENGINEERING	
CM	2	N	CIRCUITS & NETWORKS	CKN	6058	---	---	Exemption
CM	2	N	ELECTRONICS MEASUREMENT & INSTRUMENTS	ELM	6059	1111	ELECTRONICS MEASUREMENT & INSTRUMENTS	
CM	2	N	APPLIED ELECTRONICS	ATN	6060	1112	APPLIED ELECTRONICS	
CM	2	O	BASIC ELECTRONICS	BTX	6020	908	Elements of Electronics Engg. And Basic Electronics	
CM	2	O	APPLIED MATHEMATICS	AMT	6055	1108	APPLIED MATHEMATICS	
CM	2	O	ELECTRONIC MATERIALS AND COMPONENTS	XMC	6056	1109	ELECTRONIC MATERIALS AND COMPONENTS	
CM	2	O	ELECTRICAL ENGINEERING	EEG	6057	1110	ELECTRICAL ENGINEERING	
CM	2	O	CIRCUITS AND NETWORKS	CKN	6058	---	---	Exemption
CM	2	O	ELECTRONICS MEASUREMENT AND INSTRUMENTS	ELM	6059	1111	ELECTRONICS MEASUREMENT AND INSTRUMENTS	
CM	2	O	APPLIED ELECTRONICS	ATN	6060	1112	APPLIED ELECTRONICS	
CM	2	R	DIGITAL TECHNIQUE	DIT	4811	1139	DIGITAL TECHNIQUE	
CM	2	R	MICROPROCESSOR & PROGRAMMING	MPR	4812	1138	MICROPROCESSOR & PROGRAMMING	
CM	2	R	COMPUTER ORGANIZATION & NETWORKING	CON	4813	1136	COMPUTER NETWORKS	
CM	2	R	PROGRAMMING IN C	CPM	4816	1137	OBJECT ORIENTED PROGRAMMING	
CM	2	R	I/O & DBMS	I&D	4817	1141	DATABASE MANAGEMENT SYSTEM	


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CM	2	R	DATA STRUCTURE	DTS	4818	1143	DATA STRUCTURE	
CM	2	R	APPLIED MATHEMATICS	AMT	6062	1135	APPLIED MATHEMATICS	
CM	2	S	DIGITAL TECHNIQUE	DIT	4811	1139	DIGITAL TECHNIQUES	
CM	2	S	MICROPROCESSOR & PROGRAMMING	MPR	4812	1138	MICORPROCESSOR AND PROGRAMMING	
CM	2	S	COMPUTER ORG. & NETWORKING	CON	4813	1136	COMPUTER NETWORKS	
CM	2	S	PROGRAMMING IN C	CPM	4816	1137	OBJECT OREINTED PROGRAMMING	
CM	2	S	IOM & DBMS	I&D	4817	1141	DATABASE MANAGEMENT SYSTEM	
CM	2	S	DATA STRUCTURE	DTS	4818	1143	DATA STRUCTURE	
CM	2	S	APPLIED MATHEMATICS	AMT	6062	1135	APPLIED MATHEMATICS	


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Course Code	Year Code	Master Code	Subject Name	Subject Abbr	Paper Code	Equi. Subject code	Equivalent Subject Name	Additional subject Name
CM	3	N	PRIN. OF PROGRAMMING	PPL	4653	1137	OBJECT ORIENTED PROGRAMMING	
CM	3	N	PRIN. OF COMM. & IND. ELECT.	PCI	4654	1559	COMMUNICATION SYSTEMS-I	** Optional
CM	3	N	INDUSTRIAL ORG. & MANAGEMENT	IRM	4881	1508	INDUSTRIAL ORGANISATION & SUPERVISORY MANAGEMENT	
CM	3	N	DIGITAL TECH. & APP.	DTA	6061	1113	DIGITAL TECHNIQUES AND APPLICATIONS	
CM	3	N	LINEAR INT. CIRCUITS AND APP.	LIC	6087	1114	LINEAR INTEGRATED CIRCUITS	
CM	3	N	MICRO. & MICROCOMPUTERS	MAM	6088	1138	Microprocessor and Programming	
CM	3	N	ADVANCE MICRO. TECH.	AMQ	6088	1520	Advanced Microprocessors	
CM	3	O	PRIN OF PROGRAMMING LANGUAGES	PPL	4653	1137	OBJECT ORIENTED PROGRAMMING	
CM	3	O	IND ORG & MANAGEMENT	IRM	4881	1508	INDUSTRIAL ORGANISATION & SUPERVISORY MANAGEMENT	
CM	3	O	COMPUTER ENGINEERING I	CMG	6061	6061	COMPUTER ENGINEERING I	** Optional
CM	3	O	PRINCIPLES OF DIGITAL TECH	PDT	6061	1113	DIGITAL TECHNIQUES AND APPLICATIONS	
CM	3	O	LIN INT CIRCUITS & APPL	LIC	6087	1114	LINEAR INTEGRATED CIRCUITS	
CM	3	O	COMPUTER ENGINEERING II	CNG	6088	1138	MICROPROCESSOR AND PROG.	
CM	3	O	MICRO PRO/COMP DESIGN & APPL	MMD	6088	1520	ADVANCED MICROPROCESSORS	
CM	3	R	P.C.ARCHITECTURE & MAINTENANCE	PAM	4826	1518	COMPUTER ARCHITECTURE & MAINTENANCE	
CM	3	R	COMPUTER GRAPHICS	CGR	4827	4827	COMPUTER GRAPHICS	** Optional
CM	3	R	PERIPHERIAL DEVICES & MEASUR.INS	PDM	4831	1140	COMPUTER PERIPHERALS AND INTERFACING	
CM	3	R	PROGRAMMING IN DBASE III PLUS	DBP	4832	1519	VISUAL BASIC PROGRAMMING	


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Course Code	Year Code	Master Code	Subject Name	Subject Abbr	Paper Code	Equi. Subject code	Equivalent Subject Name	Additional subject Name
CM	3	R	UNIX OPERATING SYSTEM	UOS	4833	1517	OPERATING SYSTEM	
CM	3	R	SYSTEM PROGRAMMING	SPR	4835	4835	SYSTEM PROGRAMMING	** Optional
CM	3	R	C.C.A. & SYSTEM ANALYSIS	CSA	6100	1522	SYSTEM ANALYSIS & DESIGN	
CM	3	S	P.C.ARCHITECTURE & MAINTENANCE	PAM	4826	1518	COMPUTER ARCHITECTURE & MAINTENANCE	
CM	3	S	COMPUTER GRAPHICS	CGR	4827	4827	COMPUTER GRAPHICS	** OPTIONAL
CM	3	S	PERIPHERIAL DEVICES & MEASUR.INS	PDM	4831	1140	COMPUTER PERIPHERALS AND INTERFACING	
CM	3	S	PROGRAMMING IN DBASE III PLUS	DBP	4832	1519	VISUAL BASIC PROGRAMMING	
CM	3	S	UNIX OPERATING SYSTEM	UOS	4833	1517	OPERATING SYSTEM	
CM	3	S	SYSTEM PROGRAMMING	SPR	4835	4835	SYSTEM PROGRAMMING	** OPTIONAL
CM	3	S	SYSTEM ANALYSIS & DESIGN	SAD	6100	1522	SYSTEM ANALYSIS & DESIGN	


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**EQUIVALENT SUBJECTS FOR EXAMINATION FROM "O","N","R","S"
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Course Code	Year Code	Master Code	Subject Name	Subject Abbr	Paper Code	Equi. Subject code	Equivalent Subject Name	Additional subject Name
CO	2	S	PROGRAMMING IN C	CPM	4816	1137	OBJECT OREINTED PROGRAMMING	
CO	2	S	IOM & DBMS	I&D	4817	1141	DATABASE MANAGEMENT SYSTEM	
CO	2	S	APPLIED MATHEMATICS	AMT	6062	1135	APPLIED MATHEMATICS	
CO	3	N	INDUSTRIAL ORGANISATION & MGT	IRM	3071	1508	INDUSTRIAL ORGANISATION & SUPERVISORY MANAGEMENT	
CO	3	N	COMPUTER SYSTEM	COS	3072	1517	OPERATING SYSTEM	
CO	3	N	TEST & MEASURING EQUIPMENT	TMQ	3073	---	---	** Optional
CO	3	N	COMPUTER INSTALL. & MAINTENANCE	CIM	3074	1518	COMPUTER ARCHITECTURE & MAINTENANCE	
CO	3	N	COMPUTER PERIPHERAL DEVICES	CDE	3075	1140	COMPUTER PERIPHERALS AND INTERFACING	
CO	3	N	COMPUTER DIAGNOSIS	CDI	3076	3076	COMPUTER DIAGNOSIS	** Optional
CO	3	R	TESTING & MEASURING EQUIPMENTS	TME	4821	1111	ELECTRONIC MEASUREMENTS AND INSTRUMENTS	
CO	3	R	FAULT FINDING & DIAGNOSIS	FFD	4822	4822	FAULT FINDING & DIAGNOSIS	** Optional
CO	3	R	COMPUTER PERIPHERAL DEVICES	CPD	4823	1140	COMPUTER PERIPHERALS AND INTERFACING	
CO	3	R	ADVANCE MICROPROCESSORS	AMP	4824	1520	ADVANCE MICROPROCESSOR	
CO	3	R	DIGITAL COMP. CONTROL	DCC	4825	4825	DIGITAL COMP. CONTROL	** Optional
CO	3	R	P.C.ARCHITECTURE & MAINTENANCE	PAM	4826	1518	COMPUTER ARCHITECTURE & MAINTENANCE	
CO	3	R	COMPUTER GRAPHICS	CGR	4827	1137	OBJECT ORIENTED PROGRAMMING	
CO	3	S	TESTING & MEASURING EQUIPMENTS	TME	4821	1111	ELECTRONIC MEASUREMENT AND INSTRUMENTS	
CO	3	S	FAULT FINDING & DIAGNOSIS	FFD	4822	4822	FAULT FINDING & DIAGNOSIS	** Optional
CO	3	S	COMPUTER PERIPHERAL DEVICES	CPD	4823	1140	COMPUTER PERIPHERALS AND INTERFACING	


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**EQUIVALENT SUBJECTS FOR EXAMINATION FROM "O","N","R","S"
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Course Code	Year Code	Master Code	Subject Name	Subject Abbr	Paper Code	Equi. Subject code	Equivalent Subject Name	Additional subject Name
CO	2	N	LINEAR INTEGRATED SYSTEMS	LIS	3060	1114	LINEAR INTEGRATED CIRCUITS	
CO	2	N	ELECTRICAL ENGG.	EEG	4806	0909	FUNDAMENTALS OF ELECTRICAL ENGINEERING	
CO	2	N	DIGITAL TECHNIQUES	DIT	4811	1139	DIGITAL TECHNIQUES	
CO	2	N	MICROPROCESSOR PROGRAMMING	MPR	4812	1138	MICROPROCESSOR AND PROGRAMMING	
CO	2	N	COMPUTER ORGANISATION	COR	4813	1515	COMPUTER ORGANIZATION	
CO	2	N	PERIPHERAL & INTERFACE	PIN	4814	---	---	EXEMPTION
CO	2	N	APPLIED MATHAMATICS	AMT	6062	1135	APPLIED MATHEMATICS	
CO	2	R	DIGITAL TECHNIQUES	DIT	4811	1139	DIGITAL TECHNIQUES	
CO	2	R	MICROPROCESSOR & PROGRAMMING	MPR	4812	1138	MICROPROCESSOR AND PROGRAMMING	
CO	2	R	COMPUTER ORG. & NETWORKING	CON	4813	1136	COMPUTER NETWORKS	
CO	2	R	PERIPHERAL & INTERFACING	PIN	4814	---	---	EXEMPTION
CO	2	R	PROGRAMMING IN C	CPM	4816	1137	OBJECT OREINTED PROGRAMMING	
CO	2	R	IOM & DBMS	I&D	4817	1141	DATABASE MANAGEMENT SYSTEM	
CO	2	R	APPLIED MATHEMATICS	AMT	6062	1135	APPLIED MATHEMATICS	
CO	2	S	DIGITAL TECHNIQUES	DIT	4811	1139	DIGITAL TECHNIQUES	
CO	2	S	MICROPROCESSOR & PROGRAMMING	MPR	4812	1138	MICROPROCESSOR AND PROGRAMMING	
CO	2	S	COMPUTER ORG. & NETWORKING	CON	4813	1136	COMPUTER NETWORKS	
CO	2	S	PERIPHERAL & INTERFACING	PIN	4814	---	---	EXEMPTION


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Course Code	Year Code	Master Code	Subject Name	Subject_Abbr	Paper Code	Equi. Subject code	Equivalent Subject Name	Additional subject Name
CO	3	S	ADVANCE MICROPROCESSORS	AMP	4824	1520	ADVANCE MICROPROCESSOR	
CO	3	S	DIGITAL COMPUTER CONTROL	DCC	4825	4825	DIGITAL COMPUTER CONTROL	** Optional
CO	3	S	P.C.ARCHITECTURE & MAINTENANCE	PAM	4826	1518	COMPUTER ARCHITECTURE & MAINTENANCE	
CO	3	S	COMPUTER GRAPHICS	CGR	4827	1137	OBJECT ORIENTED PROGRAMMING	
IF	2	S	DIGITAL TECHNIQUES	DTN	4811	1139	DIGITAL TECHNIQUES	
IF	2	S	PROGRAMMING IN "C"	CPR	4816	1137	OBJECT OREINTED PROGRAMMING	
IF	2	S	APPLIED MATHEMATICS	AMT	6062	1135	APPLIED MATHEMATICS	
IF	2	S	MICROPROCESSOR & COMP. ORG.	MCO	6200	1138	MICROPROCESSOR & PROGRAMMING	
IF	2	S	COMPUTER NETWORKING	CNW	6201	1136	COMPUTER NETWORKS	
IF	2	S	ELECTRONIC COMMUNICATION	ECN	6202	1145	ELECTRONIC COMM. SYSTEMS	
IF	2	S	DATABASE MANAGEMENT SYSTEM	DBM	6203	1141	DATABASE MANAGEMENT SYSTEMS	
IF	3	S	MANAGEMENT FOR I.T. ORGANISATION	MIT	6204	1146	INFORMATION SYSTEM ANALYSICS AND DESIGN	
IF	3	S	PC ARCH. PERIPHERAL DEV.&MAINT.	P&M	6205	1518	COMPUTER ARCHITECTURE & MAINTENANCE	
IF	3	S	OBJECT ORIENTED PROGRAMMING	OOP	6206	1137	OBJECT OREINTED PROGRAMMING	
IF	3	S	INTERNET AND APPLICATIONS	I&A	6207	6207	INTERNET AND APPLICATIONS	** Optional
IF	3	S	OPERATING SYSTEMS	OPS	6208	1517	OPERATING SYSTEM	
IF	3	S	DATA AND COMPUTER COMMUNICATION	DCC	6209	1528	DATA COMMUNICATION & NETWORKS	
IF	3	S	INFORMATION THEORY	INT	6210	6210	INFORMATION THEORY	** Optional


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