



**MAHARASHTRA STATE
BOARD OF TECHNICAL EDUCATION
(AUTONOMOUS)**

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

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No.MSBTE/D-53/2006/DQ/ 1405

Date : 18 Feb 2006

IMPORTANT LETTER
CORRIGENDUM - 3

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

Sub : Discontinuation of Question Papers from Summer-2006 Examination

Ref : 1.MSBTE/D-53/2006/DQ/539 dt. 20.1.2006
2. MSBTE/D-53/2006/DQ/738 dt. 25.1.2006

With reference to above letter, discontinuation of 'O', 'N', 'R','S' master code subjects as well as correction in the above circular and the list of Exemption, Option and Missing subjects were communicated.

Corrections as well as the subjects for which equivalence was not mentioned in the above circular are listed in the **Annexure- Correction-3**.

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

(G.B.Dhanokar)

Secretary

M.S.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 Education, M.S., Mumbai / Pune / Aurangabad / Nagpur/Nasik/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



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No.MSBTE/D-53/2006/DQ/ 1277

Date : 15th Feb 2006

IMPORTANT LETTER
CORRIGENDUM -2

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

Sub : Discontinuation of Question Papers from Summer-2006 Examination

Ref : 1.MSBTE/D-53/2006/DQ/539 dt. 20.1.2006
2. MSBTE/D-53/2006/DQ/738 dt. 25.1.2006

With reference to above letter, discontinuation of 'O', 'N', 'R', 'S' master code subjects as well as correction in the above circular and the list of Exemption, Option and Missing subjects were communicated.

Corrections as well as the subjects for which equivalence was not mentioned in the above circular are listed in the **Annexure- Correction 2**.

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

(G.B.Dhanokar)
Secretary
M.S.Board of Technical Education
Mumbai –51

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No.MSBTE/D-53/2006/DQ/ 1063

Date : 8 Feb 2006

IMPORTANT LETTER
CORRIGENDUM -1

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

Sub : Discontinuation of Question Papers from Summer-2006 Examination

Ref : 1.MSBTE/D-53/2006/DQ/539 dt. 20.1.2006
2. MSBTE/D-53/2006/DQ/738 dt. 25.1.2006

With reference to above letter, discontinuation of 'O', 'N', 'R', 'S' master code subjects as well as correction in the above circular and the list of Exemption, Option and Missing subjects were communicated.

Corrections as well as the subjects for which equivalence was not mentioned in the above circular are listed in the **Annexure- Correction 1**.

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

(G.B.Dhanokar)
Secretary
M.S.Board of Technical Education
Mumbai –51

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No.MSBTE/D-53/2006/DQ/ 936

Date : 3rd Feb 2006

IMPORTANT LETTER
CORRIGENDUM

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

Sub : Discontinuation of Question Papers from Summer-2006 Examination

Ref : 1.MSBTE/D-53/2006/DQ/539 dt. 20.1.2006
2. MSBTE/D-53/2006/DQ/738 dt. 25.1.2006

With reference to above letter, discontinuation of 'O', 'N', 'R', 'S' master code subjects as well as correction in the above circular and the list of Exemption, Option and Missing subjects were communicated.

Equivalence for Electronics (EN) course was not included in the above circulars. The same is attached herewith. Also the row (mentioned in Annexure – EN), from Annexure(M) is to be treated as cancelled.

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

(G.B.Dhanokar)
Secretary
M.S.Board of Technical Education
Mumbai –51

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No.MSBTE/D-53/2006/DQ/ 738

Date : 25th Jan 2006

IMPORTANT LETTER
Corrigendum

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

Sub: Discontinuation of Question Papers corrigendum.
Ref : No.MSBTE/D-53/2006/DQ/ 539 dt. 20.1.2006

Vide above referred, discontinuation of 'O', 'N', 'R', 'S' master code subjects was communicated. Correction in the above circular, list of Exemption, Option and missing subjects are attached herewith.

You are requested to communicate the closure of 'O', 'N', 'R', 'S' scheme and content of this letter to all the staff and concerned students of your Institute. The clarification required if any, may be sought from this office.

Encl : 1. No.MSBTE/D-53/2006/DQ/ 539 dt. 20.1.2006
2. Annexure (Correction)
3. Annexure (O)
4. Annexure (E)
5. Annexure (M)

(G.B.Dhanokar)
Secretary

M.S.Board of Technical Education
Mumbai –51

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No.MSBTE/D-53/2006/DQ/ 539

Date : 20th Jan., 2006

IMPORTANT LETTER

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

Sub: Discontinuation of Question Papers from Summer-2006
Examination

According to the provision made in the O.G.29 the following question papers will not be printed from SUMMER-2006 Examination. The failed students in these subjects will have to appear to the equivalent/ substitute subject (wherever applicable) as per the Annexure.

You are requested to communicate the content of this letter to all the staff and concerned students of your Institute. The clarification required if any, may be sought from this office.

(G.B.Dhanokar)
Secretary
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Mumbai –51

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Annexure (Correction) for MSBTE/D-53/2006/DQ/539 dt. 21/1/06
Corrected List of Equivalent subjects for O,N,R,S.master code

| Paper Code | Course Name | Course Code | Equivalent Paper Code Master A | Name of Equivalent Paper | Instead of | Read as |
|-------------|---|--|--------------------------------|--|---|-------------------------------------|
| 4060 | Electronic Communication - II | EV2N, EV2R, EV2S | 1124 | PRINCIPLES OF TELECOMMUNICATIONS | EV2N, EV2R, EV2S | EV2R, EV2S |
| 4060 | Electronic Communication - II | EV3N | 1556 | ADVANCE COMMUNICATION SYSTEMS | EV3N 1556 | EV2N 1156+1124 |
| 4066 | Microprocessors | EV3N | 1115 | MICROPROCESSORS | 1115 | 1115+1553 |
| 4082 | VIDEO ENGG. II | EV2R, EV2S | 1554 | PRINCIPLES OF DIGITAL COMMUNICATIONS | EV2R, EV2S | EV3R, EV3S |
| 4084 | Microprocessors | EV3R, EV3S, | 1115 | MICROPROCESSORS | EV3R, EV3S, EV3R, EV3S, | EV3R, EV3S, |
| 4652 | Industrial Electronics & Instrumentation | ET3N, ET3R, EX3R, ET3N, ET3R, ET3O | 1561+1562 | INDUSTRIAL ELECTRONICS + INSTRUMENTATION & CONTROL SYSTEMS | ET3N, ET3R, EX3R, ET3N, ET3R, ET3O | ET3N, ET3R, EX3R, ET3N, ET3R |
| 4653 | Principles of Programming Language | CM2O, CM2N. | 1137+1143 | OBJECT ORIENTED PROGRAMMING + DATA | CM2O, CM2N. CM2O, CM2N. | CM2O, CM2N. |
| 4654 | Principle Of Communication & Industrial Electronics | DE3O, DE3N, DE3R, IS3N, IS3O, IS3R. | 1561+1564 | INDUSTRIAL ELECTRONICS + COMMUNICATION SYSTEMS | DE3O, DE3N, DE3R, IS3N, IS3O, IS3R. DE3O, DE3N, DE3R, IS3N, IS3O, IS3R. | DE3O, DE3N, DE3R, IS3N, IS3O, IS3R. |
| 4807 | Electronic Devices & Circuits | IF1S. | 0910 | ELECTRONIC DEVICES AND CIRCUITS | IF1S. | IF1S. CO1N, CO1R, CO1S., CM1R, CM1S |
| 4808 | Introduction To Computer system | IF1S | 0911 | ELEMENTS OF COMPUTER ENGG. & COMP. | IF1S. | IF1S. CO1N, CO1R, CO1S., CM1R, CM1S |
| 4811 / 4812 | Digital Techniques / Microprocessor & | CM2R | 1142 | DIGITAL TECHNIQUES AND MICORPROCESSOR | CM2R | CM2R, CM2S |
| 4812 | Microprocessor & Programming | CO2N, CO2R, CO2S, CO3N | 1138 | MICROPROCESSOR AND PROGRAMMING | CO2N, CO2R, CO2S, CO3N | CO2N, CO2R, CO2S. |
| 4812 / 4812 | Digital Techniques/ Microprocessor & | CM2S | 1142 | DIGITAL TECHNIQUES AND MICORPROCESSOR | 4812 / 4812 | 4812 |
| 4813 | Computer Organisation & Networking | CO2N, CO2R, CO2S, CM2R, CM2S, CO2N, CO2R, CO2S | 1136 | COMPUTER NETWORKS | CO2N, CO2R, CO2S, CM2R, CM2S, CO2N, CO2R, CO2S | CO2N, CO2R, CO2S, CM2R, CM2S |

| Paper Code | Course Name | Course Code | Equivalent Paper Code Master A | Name of Equivalent Paper | Instead of | Read as |
|-------------|---|---|--------------------------------|---|---|--|
| 4816 | Programming in C | CM2S,CM2R | 1137 | OBJECT ORIENTED PROGRAMMING | CM2S,CM2R | CM2S,CM2R,CO2S,CO2R |
| 4881 | Industrial Org. & Mgmt. | CM2O,CM2N,CH3N,CH3S,EE3O,EE3N,EE3R,EE3S,EP3O,EP3N,EP3R,EP3S,IS3O,IS3N,IS3R,IS3S,IC3S,AE3O,PG3S,PT3S,PT2S,ME3N,ME3O,ME3R,ME3S,ET3O,ET3N,ET3R,ET3S,DE3O,DE3N,DE3R,DE3S,EX3S,EX3R,AE3N,AE3R,AE3S,IE3O,IE3R,IE3N, | 1508 | INDUSTRIAL ORGANISATION & SUPERVISORY MANAGEMENT | CM2O,CM2N,CH3N,CH3S,EE3O,EE3N,EE3R,EE3S,EP3O,EP3N,EP3R,EP3S,IS3O,IS3N,IS3R,IS3S,IC3S,AE3O,PG3S,PT3S,PT2S,ME3N,ME3O,ME3R,ME3S,ET3O,ET3N,ET3R,ET3S,DE3O,DE3N,DE3R,DE3S,EX3S,EX3R,AE3N,AE3R,AE3S,IE3O,IE3R,IE3N,IE3S, EN3S | CH3N,CH3S,EE3O,EE3N,EE3R,EE3S,EP3O,EP3N,EP3R,EP3S,IS3O,IS3N,IS3R,IS3S,IC3S,AE3O,PG3S,PT3S,ME3N,ME3O,ME3R,ME3S,ET3O,ET3N,ET3R,ET3S,DE3O,DE3N,DE3R,DE3S,EX3S,EX3R,AE3N,AE3R,AE3S,IE3O,IE3R,IE3N,IE3S, EN3S |
| 5044 | Electrical Technology Electronics Instrumentation & Control | PS2N,PS2R,PS2S,PS2N,PS2R,PS2S | 1149+1647 | ELECTRICAL TECHNOLOGY & APPLIED ELECTRONICS + INSTRUMENTATION & CONTROL | PS2N,PS2R,PS2S,PS2N,PS2R,PS2S | PS2N,PS2R,PS2S. |
| 5047 | Mould Design & Fabrication-I | PS2N,PS2R,PS2S,PS2N,PS2R | 1277 | DESIGN OF MOULDS AND DIES | PS2N,PS2R,PS2S,PS2N, PS2R | PS2N,PS2R,PS2S. |
| 5047 / 5055 | Mould Design & Fabrication - II | PS3R,PS3S,PS3N | 1646 | MANUFACTURING OF MOULDS & DIES | 5047 / 5055 | 5055 |
| 6036 | STRENGTH OF MATERIAL & MECHANISM | PG2S,PT2O,PT2N,PT2R,PT2S,ME2S,PG2S,PT2S | 1148+1150 | STRENGTH OF MATERIALS + THEORY OF MACHINES | PG2S,PT2O,PT2N,PT2R,PT2S,ME2S,PG2S,PT2S | PG2S,PT2O,PT2N,PT2R,PT2S,ME2S. |
| 6042 | Manufacturing Processes | AE2S,PG2S,PT2N,PT2O,PT2R,PT2S | 1154 | MANUFACTURING PROCESSES | AE2S,PG2S,PT2N,PT2O,PT2R,PT2S | PG2S,PT2N,PT2O,PT2R,PT2S |
| 6047 | Electrical Measurement & Network | EE2O,EE2N,EE2R,EP2O,EP2N,EP2R,EP2O,EE2O,EE2N,EE2R,EE2S,EP2S | 1165 + 1166 | ELECTRICAL MEASUREMENT & INSTRUMENTATION + ELECTRICAL CRICUIT AND NETWORK | EE2O,EE2N,EE2R,EP2O,EP2N,EP2R,EP2O,EP2N,EP2R,EE2O,EE2N,EE2R,EE2S,EP2S | EP2O,EP2N,EP2R,EE2O,EE2N,EE2R,EE2S,EP2S. |

| Paper Code | Course Name | Course Code | Equivalent Paper Code Master A | Name of Equivalent Paper | Instead of | Read as |
|------------|-------------------------------------|--|--------------------------------|--|---|---|
| 6055 | Applied Mathemeatics | ET2O,ET2N,ET2R,DE2O,DE2N,DE2R,EX2R,EX2S,ET2S,DE2S,IS2N,IS2O,IS2R,IS2S,IC2S,IE2O,IE2R,IE2S,IE2N,EN2S | 1108 | APPLIED MATHEMATICS | ET2O,ET2N,ET2R,DE2O,DE2N,DE2R,EX2R,EX2S,ET2S,DE2S,IS2N,IS2O,IS2R,IS2S,IC2S,IE2O,IE2R,IE2S,IE2N, EN2S | ET2O,ET2N,ET2R,DE2O,DE2N,DE2R,EX2R,EX2S,ET2S,DE2S,IS2N,IS2O,IS2R,IS2S,IC2S,IE2O,IE2R,IE2S,IE2N,EN2S, MU2S |
| 6055 | Applied Mathemeatics | MU2S,MU2N,MU2R,CM2O,CM2N | 1135 | APPLIED MATHEMATICS | MU2S,MU2N,MU2R,CM2O, CM2N | CM2O, CM2N. |
| 6061 | Digital Techniques and Applications | DE2O,DE2N,DE2R,DE2S,ET2O,ET2N,ET2R,ET2S,EX2S,EX2R,IS2O,IS2N,IS2R,IS2S,IC2S, MU2S,IE2O,IE2R,IE2S,IE2N, EN2S | 1113 | DIGITAL TECHNIQUES AND APPLICATIONS | DE2O,DE2N,DE2R,DE2S,ET2O,ET2N,ET2R,ET2S,EX2S,EX2R,IS2O,IS2N,IS2R,IS2S, IC2S,MU2S,IE2O,IE2R,IE2S, IE2N, EN2S | DE2O,DE2N,DE2R,DE2S,EX2S,EX2R, ,IS2S,IC2S, MU2S,IE2O,IE2R,IE2S,IE2N, EN2S,ET3O,ET3N, ET3R,ET3S,IS3O,IS3N,IS3R |
| 6061 | Digital Techniques and Applications | ET3O,EX3R,ET3N,ET3R | 1563 | DIGITAL COMMUNICATION SYSTEMS | ET3O,EX3R,ET3N,ET3R | EX3R. |
| 6061 | Digital Techniques and Applications | IE3O,IE3R,IE3S,IE3N | 1558 | MICROPROCESSOR & MICROCONTROLLER | IE3O,IE3R,IE3S,IE3N | IE3O. |
| 6061 | Digital Techniques and Applications | DE3O,DE3N,DE3R,DE3O, DE3N,DE3R | 1570 | DIGITAL ELECTRONICS - I | DE3O,DE3N,DE3R,DE3O, DE3N,DE3R 1570 | DE3O,DE3N,DE3R. 1570+1571 |
| 6062 | Applied Mathemeatics | CM2R,CM2S,IF2S | 1135 | APPLIED MATHEMATICS | CM2R,CM2S,IF2S | CM2R,CM2S,IF2S,CO2R,CO2S, CO2N |
| 6064 | Theory of Structure | CE3S,CR3S,CS3O,CS3R, CS3S,CS3N | 1503 | THEORY OF STRUCTURES | CE3S,CR3S,CS3O,CS3R, CS3S,CS3N | CE3S,CR3S, CS3S. |
| 6065 | Design of Structure | CE3S,CR3S,CS3O,CS3R, CS3S,CS3N | 1504 | DESIGN OF STRUCTURE | CE3S,CR3S,CS3O,CS3R, CS3S,CS3N | CE3S,CR3S, CS3S. |
| 6070 | Advance Manufacturing Process | PG3S,PT3S,ME3N,ME3O,ME3R,ME3S,ME3N,ME3O,ME3R, ME3S | 1542 | ADVANCED MANUFACTURING PROCESSES | PG3S,PT3S,ME3N,ME3O,ME3R,ME3S,ME3N, ME3O,ME3R, ME3S | PG3S,PT3S,ME3N,ME3O,ME3R,ME3S. |
| 6076 | Machine Tool Design and Control | PG3S,PT3R,PT3S,PT3N,PG3S,PT3N,PT3R,PT3S | 1507+1549 | TOOL DESIGN + MACHINE TOOLS & CONTROLS | PG3S,PT3R,PT3S,PT3N, PG3S,PT3N,PT3R,PT3S | PG3S,PT3R,PT3S,PT3N,PG3S. |

| Paper Code | Course Name | Course Code | Equivalent Paper Code Master A | Name of Equivalent Paper | Instead of | Read as |
|-------------|--|---|--------------------------------|---|---|---|
| 6080 | Electrical Installation System-II | EE3O,EE3N,EE3R,EE3S,EP3O,EP3N,EP3R,EP3S,EP3O,EP3N,EP3R | 1532 | ELECTRICAL INSTALLATION SYSTEM | EE3O,EE3N,EE3R,EE3S,EP3O,EP3N,EP3R,EP3S,EP3O,EP3N,EP3R 1532 | EE3O,EE3N,EE3R,EE3S. 1529 |
| 6083 | Electrical Installation System-II | EE3O,EE3N,EE3R | 1532 | ELECTRICAL INSTALLATION SYSTEM | EE3O,EE3N,EE3R | EE3O,EE3N,EE3R,EE3S,EP3S |
| 6087 | Linear Integrated Circuits | ET2O,ET2N,ET2R,ET2S,DE2O,DE2N,DE2R,DE2S,EX2S,EX2R,IS2O,IS2N,IS2R,IS2S,IC2S,IE3O,IE3R,IE3S,IE3N,EN2S | 1114 | LINEAR INTEGRATED CIRCUITS | ET2O,ET2N,ET2R,ET2S,DE2O,DE2N,DE2R,DE2S,EX2S,EX2R,IS2O,IS2N,IS2R,IS2S,IC2S,IE3O,IE3R,IE3S,IE3N,EN2S | IE3O,IE3R,IE3S,IE3N,EN2S,ET3O,ET3N,ET3R,ET3S,DE3O,DE3N,DE3R,DE3S,EX3S,EX3R,IS3O,IS3N,IS3R,IS3S,IC3S |
| 6088 | Microprocessor Based | DE2O,DE2N,DE2R | 1115 | MICROPROCESSORS | DE2O,DE2N,DE2R | DE3O,DE3N,DE3R |
| 6092 | Instrumentation Control System | IS2O,IS2N,IS2R | 1117 | INSTRUMENTATION | IS2O,IS2N,IS2R 1117 | IS3O,IS3N,IS3R 1117+1567 |
| 6092 | Instrumentation Control System | ET3S,DE3O,DE3N,DE3R,DE3S,EX3S,IS3O,IS3N,IS3R,IE3O,IE3R,IE3S,IE3N,EN3S | 1562 | INSTRUMENTATION & CONTROL SYSTEMS | ET3S,DE3O,DE3N,DE3R,DE3S,EX3S,IS3O,IS3N,IS3R,IE3O,IE3R,IE3S,IE3N,EN3S | ET3S,DE3O,DE3N,DE3R,DE3S,EX3S,EN3S |
| 6092 | Instrumentation Control System | IE3O,IE3R,IE3S,IE3N | 1565 | ADVANCED INDUSTRIAL ELECTRONICS | 1565 | 1565+1562 |
| 6092 / 6099 | Instrumentation Control System / Process | IS2S | 1117 | INSTRUMENTATION | IS2S 6092/6099 | IS3S 6099 |
| 6096 | Digital Electronics System | DE3S | 1570 | DIGITAL ELECTRONICS - I | 1570 | 1570+1571 |
| 6097 | Microprocessor Based System | DE2S | 1115 | MICROPROCESSOR | DE2S | DE3S |
| 6099 | Process Instrumentation | IC2S | 1117 | INSTRUMENTATION | IC2S | IC3S |
| 6204 | Management For IT Organisation | IF2S | 1146 | INFORMATION SYSTEM ANALYSICS AND DESIGN | IF2S | IF3S |
| 6206 | Object Oriented Programming | IF2S | 1137 | OBJECT OREINTED PROGRAMMING | IF2S | IF3S |
| 6207 | Internet & Applications | IF3S | 1526 | JAVA PROGRAMMING | 1526 | 1526+1527 |
| | Metrology & Quality Control | PS2N,PS2R,PS2S | 1276 | METROLOGY AND QUALITY CONTROL | | 6072 |

Annexure (Correction)

Following subjects are also included in the Annexure list of Equivalent subjects for O,N,R,S Master code

| Paper Code | Name of the Subject | Course code | Equivalent Paper Code Master A | Name of the Equivalent subject |
|-------------------|---|--------------------|---------------------------------------|---|
| 3055 | Computer Programming | CO1N | 0911 | Elements of Computer Engg.& Computer Fundamentals |
| 4652 | Industrial Electronic & Instrumentation | ET30 | 1561 | Industrial Electronic |
| 6030 | Civil Engineering Drawing | PT20 | 1151 | Mechanical Engg. Drawing |
| 6065 | Design of Structure | CS30,CS3N,CS3S | 1503+1504 | Theory of Structure+Design of Structure |
| 6055 | Applied Mathemeatics | MU2N,MU2R | 1108+1113 | Applied Mathemeatics |

Following subjects are treated cancelled in the Annexure list of Equivalent subjects for O,N,R,S Master code

| Paper Code | Name of the Subject | Course code | Equivalent Paper Code Master A | Name of the Equivalent subject |
|-------------------|--|---------------------|---------------------------------------|---|
| 4307 | Advance Manufacturing Process | PT3N,PT3R | 1542 | Advance Manufacturing Processes |
| 4813 | Computer Organisation & Networking | CM3R,CM3S | 1515+1516 | Microprofessor + Communication Techniques |
| 6047 / 6081 | Electrical Measurement & Network /Instrumentation & Control | EE2S,EP2S | 1165 | Electrical Measurement & Instrumentation |
| 6049 / 0908 | Industrial Electronic / Basic Electronic | EE2O,EE2N,EE2R | 1168 | INDUSTRIAL ELECTRONICS |
| 6083 / 6051 | Electrical Installation System-II + Electrical Installation System-I | EP3S,EE3S | 1532 | ELECTRICAL INSTALLATION SYSTEM |
| 6201 | Computer Networking | IF3S | 1516 | NETWORK MANAGEMENT |
| 6059 | Electronic Measurement & Instrument | IE3O,IE3R,IE3S,IE3N | 1156 | ADVANCED INDUSTRIAL ELECTRONICS |

Annexure(M)

List of the Missing subjects of Master code A.

Students are required to appear for the following Missing Subjects

| Sr.No. | Course Code | Paper Code | Paper Name | Remark |
|--------|--------------------------|------------|-----------------------------|-----------------|
| 1 | CM2O,CM2N | 1136 | COMPUTER NETWORKS | Missing Subject |
| 2 | CM3N,CM3O,CO3N,CO3R,CO3S | 1516 | NETWORK MANAGEMENT | Missing Subject |
| 3 | CM3O,CM3N,CO3R,CO3S | 1517 | OPERATING SYSTEM | Missing Subject |
| 4 | CO3N,CO3R,CO3S,CM3O,CM3N | 1519 | VISUAL BASIC PROGRAMMING | Missing Subject |
| 5 | CO3N,CO3R,CO3S, | 1521 | WEB DESIGN | Missing Subject |
| 6 | CM3O,CM3N | 1522 | SYSTEM ANALYSIS & DESIGN | Missing Subject |
| 7 | CM3O,CM3N,CM3R,CM3S | 1523 | WEB APPLICATION PROGRAMMING | Missing Subject |
| 8 | CM3R,CM3S | 1523 | ANALOG TECHNIQUES | Missing Subject |
| 9 | CM3N,CM3O,CM3R,CM3S | 1524 | CORE JAVA | Missing Subject |

Annexure (O)

Optional List of the subjects of Master code O,N,R,S.

| Sr.No. | Course Code | Paper Code | Paper Name | Remark |
|--------|--------------------------|------------|---|--------|
| 1 | CS3O,CS3R,CS3N | 1501 | IRRIGATION ENGINEERING | OPT |
| 2 | CS3O,CS3R,CS3N | 1502 | ENVIRONMENTAL ENGINEERING SYSTEM | OPT |
| 3 | CO3N,CO3R,CO3S | 1515 | COMPUTER ORGANISATION | OPT |
| 4 | IF3S,CM3R,CM3S | 1516 | NETWORK MANAGERMENTS | OPT |
| 5 | CO3N | 1520 | ADVANCE MICRPROCESSOR | OPT |
| 6 | ER3O | 1562 | INSTRUMENTAION & CONTROL SYSTEM | OPT |
| 7 | EN3S,ET3N,ET3R | 1563 | DIGITAL COMMUNICATION SYSTEMS | OPT |
| 8 | CH3O,CH3N,CH3R,CH3S | 1510 | TECHNOLOGY OF ENVIRONMENT PROTECTION | OPT |
| 9 | IF3S | 1525 | OBJECT ORIENTED MODELLING & DESIGN | OPT |
| 10 | EE3O,EE3N,EE3R,EE3S | 1530 | MICROPROCESSOR & CONTROL | OPT |
| 11 | EP3O,EP3N,EP3R,EP3S | 1530 | MICROPROCESSOR & CONTROL | OPT |
| 12 | EE3O,EE3N,EE3R | 1534 | MANUFACTURING SYSTEM | OPT |
| 13 | AE3O,AE3N,AE3R,AE3S | 1537 | AUTOMOTIVE ELECTRICAL & ELECTRONICS SYSTEMS | OPT |
| 14 | ME3O,ME3N,ME3R, | 1546 | MECHANICAL MEASUREMENTS | OPT |
| 15 | ME3O,ME3N,ME3R, | 1547 | AUTOMOBILE ENGINEERING | OPT |
| 16 | EV3R,EV3S | 1555 | COMPUTER COMMUNICATIONS | OPT |
| 17 | IS3O | 1558 | MICROPROCESSOR & MICROCONTROLLER | OPT |
| 18 | ET3O,ET3S,EX3S,EN3S | 1563 | DIGITAL COMMUNICATION SYSTEMS | OPT |
| 19 | IE3O,IE3R,IE3S,IE3N | 1566 | INDUSTRIAL DRIVES | OPT |
| 20 | IC3S,IS3O,IS3N,IS3R,IS3S | 1569 | BIOMEDICAL INSTRUMENTATION | OPT |
| 21 | PT3N,PT3R | 1572 | MACHINE DESIGN & HEAT TREATMENT | OPT |
| 22 | DE3O,DE3N,DE3R,DE3S | 1573 | COMPUTER HARDWARE & NETWORKING | OPT |
| 23 | PS3N,PS3R,PS3S | 1648 | ELASTOMER TECHNOLOGY | OPT |

OPT- Students are given exemption in the above subjects

Annexure (E)

Exemption List for the subjects in the master code O,N,R,S.

| Sr.No | Course Code | Paper Code | Paper Name | Remark |
|-------|---|------------|--|-----------|
| 1 | EE1N,EE1R | 907 | FUNDAMENTAL OF ELECTRICAL ENGG. | Exemption |
| 2 | MU1N,MU1R,MU1S | 907 | FUNDAMENTAL OF ELECTRICAL ENGG. | Exemption |
| 3 | MU1N,MU1R | 908 | ELEMENTS OF ELECTRONIC ENGG. & BASIS ELECTRICAL (BASIS ELECTRICAL) | Exemption |
| 4 | CM1N | 909 | FUNDAMENTAL OF ELECTRICAL ENGG. | Exemption |
| 5 | CM1N,CO1N | 910 | ELECTRONICS DEVICES & CIRCUITS | Exemption |
| 6 | CM1N | 911 | ELEMENTS OF COMPUTER ENGG. & COMPUTER FUNDAMENTALS | Exemption |
| 7 | EN2S | 1116 | COMMUNICATION TECHNIQUES | Exemption |
| 8 | IE2O,IE2R,IE2S,IE2N | 1118 | POWER ELECTRONICS | Exemption |
| 9 | CS2O,CS2R,CS2N | 1131 | TRANSPORTATION ENGINEERING SYSTEM | Exemption |
| 10 | CO2N | 1137 | OBJECT ORIENTED PROGRAMMING | Exemption |
| 11 | PT2O,PT2N,PT2R | 1153 | FLUID POWER | Exemption |
| 12 | CH2O | 1160 | ADVANCED CHEMISTRY | Exemption |
| 13 | CT2O,CT2N,CT2R | 6035 | APPLIED MATHEMATICS | Exemption |
| 14 | EV2S,EV2N,EV2R | 1113 | DIGITAL TECHNIQUES & APPLICATIONS | Exemption |
| 15 | ET2O,EN2S,ET2N,ET2R,ET2S,EX2S, EX2R | 1116 | COMMUNICATION TECHNIQUES | Exemption |
| 16 | ET2N | 1116 | COMMUNICATION TECHNIQUES | Exemption |
| 17 | MU2N,MU2R,MU2S | 1122 | HOSPITAL ORGANISATION AND MANAGEMENT | Exemption |
| 18 | CM2R,CM2S,CM2O,CM2N | 1144 | WEB PAGE DESIGNING | Exemption |
| 19 | AE2O,AE2N,AE2R,AE2S | 1149 | ELECT TECH & APP ELECTRONICS | Exemption |
| 20 | AE2O,AE2N,AE2R | 1151 | MECHANICAL ENGINEERING DRAWING | Exemption |
| 21 | EV1N,EV1R,EV1S | 901 | COMMUNICATION SKILL | Exemption |
| 22 | DE1O,DE1N,DE1R | 908 | BASIC ELECTRONICS | Exemption |
| 23 | ET1N,IE1O,IE1R,IE1S,IE1N,ET1R,EX1R,IS1N, IS1R | 908 | BASIC ELECTRONICS | Exemption |
| 24 | PS1N,PS1R,PS1S,CH1S | 912 | FUNDAMENTALS OF CHEMICAL ENGINEERING | Exemption |

Annexure - EN

List of Equivalent Subjects for O,N,R,S Master Code for EN Course

| Paper_Code | Subject Name | Course Code | Equivalent Subject Code | Equivalent Subject Name |
|--|--|--------------------|--------------------------------|--|
| 4881 | Industrial Org. & Mgmt. | EN3S | 1508 | INDUSTRIAL ORGANISATION & SUPERVISORY MANAGEMENT |
| 6055 | Applied Mathematics | EN2S | 1108 | APPLIED MATHEMATICS |
| 6056 | Electronic Material & Components | EN2S | 1109 | ELECTRONIC MATERIALS AND COMPONENTS |
| 6057 | Electrical Engg. | EN2S | 1110 | ELECTRICAL ENGINEERING |
| 6059 | Electronics Measurements & Instrumentation | EN2S | 1111 | ELECTRONIC MEASUREMENTS AND INSTRUMENTS |
| 6060 | Applied Electronics | EN2S | 1112 | APPLIED ELECTRONICS |
| 6061 | Digital Techniques & Applications | EN2S | 1113 | DIGITAL TECHNIQUES & APPLICATIONS |
| 6087 | Linear Integrated Circuits | EN2S | 1114 | LINEAR INTEGRATED CIRCUITS |
| 6088 | Microprocessor Based System | EN3S | 1558 | MICROPROCESSOR & MICROCONTROLLER |
| 6089 | Communication System | EN3S | 1559 | COMMUNICATION SYSTEMS - I |
| 6090 | Advanced Communication System | EN3S | 1560 | COMMUNICATION SYSTEMS - II |
| 6091 | Industrial Electronics | EN3S | 1561 | INDUSTRIAL ELECTRONICS |
| 6092 | Instrumentation Control Ssystem | EN3S | 1562 | INSTRUMENTATION & CONTROL SYSTEMS |
| Exemption | | EN2S | 1116 | COMMUNICATION TECHNIQUES |
| OPT | | EN3S | 1563 | DIGITAL COMMUNICATION SYSTEMS |
| OPT - Students are given exemption in the above subject | | | | |
| The row from Annexure(M) is treated as cancelled. | | | | |
| 8 | CM3R,CM3S | 1523 | Analog Techniques | Missing Subject |

Annexure -Correction1 for MSBTE/D-53/2006/DQ/539 dt. 20/1/06

Corrected list of Equivalent subjects for O,N,R,S Master Code

| Paper Code | Subject Name | Course code | Equivalent Subject Code Master A | Equivalent Subject Name | Instead of | Read As |
|-------------------|-------------------------------------|--------------------|---|--|------------------------|---|
| 6061 | Digital Techniques and Applications | CM2O,CM2N | 1142 | DIGITAL TECHNIQUES AND MICORPROCESSOR | CM2O,CM2N | CM3O,CM3N |
| 4059 | Electronic Communication - I | EV2N,EV2R,EV2S | 1125 | T. V. TRANSMISSION SYSTEMS | 1125 | 1124 (Principles of Telecommunication) |
| 4060 | Electronic Communication - II | EV3N | 1556 | ADVANCE COMMUNICATION SYSTEMS | 1556 & EV3N | 1125 (TV Transmission System) & EV2N, EV2R,EV2S |
| 4081 | Video Engineering I | EV3R,EV3S | 1552 | VIDEO ENGINEERING | 1552 | 1551(TV Reception) |
| 4082 | VIDEO ENGG. II | EV2R,EV2S | 1554 | PRINCIPLES OF DIGITAL COMMUNICATIONS | 1554 & EV2R, EV2R | 1552 (Video Engineering) & EV3R, EV3S |
| 4085 | Colour Television Systems | EV3R,EV3S | 1551 | T. V. RECEPTION | 1551 | OPT |
| 4069 | Electrical Circuits | EV1N,EV1R,EV1S | 0907 | BASIC ELECTRICAL ENGG. | BASIC ELECTRICAL ENGG. | FUNDAMENTALS OF ELECTRICAL ENGG. |
| 6061 | Digital Techniques and Applications | CM2O,CM2N | 1142 | DIGITAL TECHNIQUES AND MICORPROCESSOR | CM2O,CM2N | CM3O,CM3N |
| 4653 | Principles of Programming Language | CM2O,CM2N. | 1137+1143 | OBJECT ORIENTED PROGRAMMING + DATA STRUCTURE | CM2O,CM2N | CM3O,CM3N. |

Students need not appear for the Examination of the following subjects.

| Paper Code | Subject Name | Course Code | Remark |
|---|---|--------------------|---------------|
| 4831 | Peripheral Devices & Measuring Instruments | CM3S | * * |
| 4835 | System Programming | CM3S,CM3R | * * |
| 4827 | Computer Graphics | CM3S | * * |
| 6060 | Applied Electronics | CM2O, CM2N | * * |
| 6056 | Electronic Material & Components | CM2O, CM2N | * * |
| 6057 | Electrical Engg. | CM2O, CM2N | * * |
| 6058 | Electrical Measurements & Network Theory | CM2O, CM2N | * * |
| 6059 | Electronic Measurement & Instrument | CM2O, CM2N | * * |
| 3060 | Linear Integrated Circuits | CO2N | * * |
| 3071 | Industrial Organisation & Management | CO3N | * * |
| 3073 | Testing & Measuring Equipments | CO3N | * * |
| 3075 | Computer Peripheral Devices | CO3N | * * |
| 3076 | Computer Peripheral Devices & Computer Diagnosis | CO3N | * * |
| 4881 | Ind. Organisation & Management | CM3O,CM3N | * * |
| 6087 | Linear Integrated Circuits | CM3O,CM3N | * * |
| 4654 | Principle Of Communication & Industrial Electronics | CM3N | * * |
| 6056 | Electronic Material & Components | CM2O, CM2N | * * |
| 6057 | Electrical Engg. | CM2O, CM2N | * * |
| 6058 | Circuits & Networks | CM2O, CM2N | * * |
| 6059 | Electronic Measurement & Instrument | CM2O, CM2N | * * |
| 6060 | Applied Electronics | CM2O, CM2N | * * |
| * * Students need not appear for the Examination for the subjects. | | | |

Following subjects should be included in the Annexure list of equivalent subjects for O,N,R,S Master Code

| Paper Code | Subject Name | Course Code | Equivalent Subject Code | Equivalent Subject Name |
|--|----------------------|--------------------|--------------------------------|--|
| 3055 | Computer Programming | CO1N | 911 | Elements of Computer Engg. & Computer Fundamentals |
| OPT | | CO3N | 1515 | Computer Organisation |
| OPT | | CO3N | 1520 | Advance Microprocessor |
| Exemption | | CM2O,CM2N | 1141 | Database Manaegement System |
| Missing | | CM3R | 1519 | VISUAL BASIC PROGRAMMING |
| OPT- Students are given exemption in the above subjects | | | | |
| Missing -Students are required to appear for the Missing Subjects | | | | |

Annexure -Correction 2 for MSBTE/D-53/2006/DQ/539 dt. 20/1/06

Corrected list of Equivalent subjects for O,N,R,S Master Code

| Paper Code | Subject Name | Course code | Equivalent Subject Code Master A | Equivalent Subject Name | | |
|--|--|---------------------|---|--|-------------------------|-------------------|
| 6027 | Construction Material & Process | CE20,CE2N,CE2R | 1133 | Building Construction System | | |
| 6027 | Construction Material & Process | CE2S | ** | | | |
| 6051 | ELECTRICAL INSTALLATION SYSTEM-I | EE2S | ** | | | |
| 6094 | Industrial Electronics | IE3S | ** | | | |
| 6058 | Circuits & Networks / Electrical Measurements & Network Theory | IE20,IE2N,IE2R/IE2S | ** | | | |
| Paper Code | Subject Name | Course code | Equivalent Subject Code Master A | Equivalent Subject Name | Instead of | Read AS |
| 6047 / 6081 | Electrical Measurement & Network /Instrumentation & Control | EE2S,EP2S | 1165 | ELECTRICAL MEASUREMENT & INSTRUMENTATION | 6047 / 6081 & EE2S,EP2S | 6081 & EE3S, EP3S |
| ** Students need not appear for the Examination for the subjects. | | | | | | |

Annexure -Correction-3 for MSBTE/D-53/2006/DQ/539 dt. 20/1/06

Corrected list of Equivalent subjects for O,N,R,S Master Code

| Paper Code | Subject Name | Course code | Equivalent Subject Code Master A | Equivalent Subject Name | Instead of | Read AS |
|-------------------|-------------------------------------|------------------------------------|---|-------------------------------------|--|---|
| 6027 | CONSTRUCTION | CS2R,CS2O,CS2N | 1133 | BUILDING CONSTRUCTION SYSTEM | CS2R,CS2O,CS2N & CONSTRUCTION | CS2R,CS2O,CS2N & CR2O,CR2N,CR2R CONSTRUCTION MATERIAL & PROCESS |
| 6030 | Civil Engineering Drawing | CE2S,CR2S,PT2O,CS2O,CS2R,CS2S,CS2N | 1130 | CIVIL ENGINEERING DRAWING | CE2S,CR2S,PT2O,CS2O,CS2R,CS2S,CS2N & Civil Engineering Drawing | CS3R,CS3O,CC3N,CS2O,CS2R,CS2S,CS2N,PT2O,CR2S,CE2S & Construction Tech. & Construction Drawing -II/ Construction Tech. & Construction Drawing / Engineering Drawing / Civil Engineering Drawing |
| 905 | Engineering Drawing | CM1S | ** | | | |
| 4287 | Project Management | CS3R | ** | | | |
| 6058 | Electrical Measurements & Networks | IS2S,EN2S,ET2S,IC2S,EX2S,DE2S | ** | | | |
| 6027 | Construction Material and Processes | CR2S,CE2S,CS2S | ** | | | |
| 6061 | Digital Techniques and Applications | ET2S | 1113 | DIGITAL TECHNIQUES AND APPLICATIONS | | |

**** Students need not appear for the Examination for the subjects.**