



# MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION

(Autonomous) (ISO: 9001:2015) (ISO/IEC 27001:2013)

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No. MSBTE/D-50/'I' Scheme/2020/

3992

Date: 20 OCT 2020

## Web-Circular

### Sub:- Equivalent Subjects of 'I' Scheme (3<sup>rd</sup> & 4<sup>th</sup> Semester) for all Subjects of 'G' Scheme - AICTE Approved Courses.

MSBTE has started implementation of 'I' Scheme (AICTE Approved Courses) progressively from academic year 2017-18. As per exam Rule RG-18, courses of 3<sup>rd</sup> and 4<sup>th</sup> semester 'G' Scheme will be discontinued from Winter 2020 examination & Summer 2021 examination respectively. The failure students of 'G' Scheme will have to appear in the corresponding equivalent courses of 'I' Scheme.

The Annexure containing the list of Equivalent subject for each group/branch of 'G' Scheme for respective subjects of 'I' scheme, is attached herewith. The failure students of 'G' Scheme shall note the exact names of their equivalent subjects as they have to appear in these equivalent subject in the coming Winter 2020 examination & Summer 2021 examination. The equivalent subjects of 'G' schemes to 'I' Scheme are mentioned in following annexures.

#### 1. Annexure I - 3<sup>rd</sup> Sem

#### 2. Annexure II - 4<sup>th</sup> Sem

All principals of affiliated institutes shall inform the above matter to all concerned student and take necessary action accordingly.

**This is also applicable to all old scheme (O/N/R/S/A/C/E/) subjects which are already given equivalence in 'G' Scheme.**

(V. R. Jadhav)  
I/C Secretary

M.S. Board of Technical Education,  
Mumbai-51.

#### Copy to:-

1. Hon. Director, Maharashtra State Board of Technical Education, Mumbai -51 for information.
2. Dy. Secretary, Regional Office, Mumbai, Pune, Nagpur & Aurangabad for information & necessary action.
3. Dy. Secretary, Exam section for necessary action.
4. Dy. Secretary, Result section for necessary action.



## Equivalent Subject 'G' to 'I' Scheme

Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
1	AE	Third	Computer Aided Drafting	17016	Computer Aided Drafting	*
2	AE	Third	Professional Practices-I	17017	Professional Practices-I	*
3	AE	Third	Applied Mathematics	17301	Applied Mathematics	*
4	AE	Third	Strength of Materials	17304	Strength of Materials	22306
5	AE	Third	Mechanical Engineering Drawing	17305	Mechanical Engineering Drawing	22341
6	AE	Third	Materials and Manufacturing Processes	17306	Materials and Manufacturing Processes	22307
7	AE	Third	Vehicle Layout and Transmission System	17307	Automobile Transmission System	22309
8	CD	Third	Graphical User Interface (GUI) Programming	17026	Graphical User Interface (GUI) Programming	*
9	CD	Third	Professional Practices-I	17027	Professional Practices-I	*
10	CD	Third	Applied Mathematics	17301	Applied Mathematics	*
11	CD	Third	Data Structure Using 'C'	17330	Data Structure Using 'C'	22317
12	CD	Third	Electrical Technology	17331	Elements of Electrical Engineering	*
13	CD	Third	Relational Database Management System	17332	Database Management System	22319
14	CD	Third	Digital Techniques	17333	Digital Techniques	22320
15	CE	Third	Professional Practices-I	17018	Professional Practices-I	*
16	CE	Third	Applied Mathematics	17301	Applied Mathematics	*
17	CE	Third	Building Construction	17308	Building Construction	22304
18	CE	Third	Building Drawing	17309	Building Planning & Drawing	*
19	CE	Third	Surveying	17310	Basic Surveying	*
20	CE	Third	Mechanics of Structures	17311	Mechanics of Structures	22303
21	CH	Third	Professional Practices-I	17019	Professional Practices-I	*
22	CH	Third	Applied Mathematics	17301	Applied Mathematics	*
23	CH	Third	Industrial Chemistry	17312	Industrial Chemistry	*
24	CH	Third	Mechanical Operation	17313	Mechanical Operation	22313
25	CH	Third	Chemical Process Technology-I	17314	Technology of Inorganic Chemicals	22314
26	CH	Third	Stoichiometry	17315	Industrial Stoichiometry	22315

Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
27	CM	Third	Graphical User Interface (GUI) Programming	17026	Graphical User Interface (GUI) Programming	*
28	CM	Third	Professional Practices-I	17027	Professional Practices-I	*
29	CM	Third	Applied Mathematics	17301	Applied Mathematics	*
30	CM	Third	Data Structure Using 'C'	17330	Data Structure Using 'C'	22317
31	CM	Third	Electrical Technology	17331	Elements of Electrical Engineering	*
32	CM	Third	Relational Database Management System	17332	Database Management System	22319
33	CM	Third	Digital Techniques	17333	Digital Techniques	22320
34	CO	Third	Graphical User Interface (GUI) Programming	17026	Graphical User Interface (GUI) Programming	*
35	CO	Third	Professional Practices-I	17027	Professional Practices-I	*
36	CO	Third	Applied Mathematics	17301	Applied Mathematics	*
37	CO	Third	Data Structure Using 'C'	17330	Data Structure Using 'C'	22317
38	CO	Third	Electrical Technology	17331	Elements of Electrical Engineering	*
39	CO	Third	Relational Database Management System	17332	Database Management System	22319
40	CO	Third	Digital Techniques	17333	Digital Techniques	22320
41	CR	Third	Professional Practices-I	17018	Professional Practices-I	*
42	CR	Third	Applied Mathematics	17301	Applied Mathematics	*
43	CR	Third	Building Construction	17308	Building Construction	22304
44	CR	Third	Building Drawing	17309	Building Planning & Drawing	*
45	CR	Third	Surveying	17310	Basic Surveying	*
46	CR	Third	Mechanics of Structures	17311	Mechanics of Structures	22303
47	CS	Third	Professional Practices-I	17018	Professional Practices-I	*
48	CS	Third	Applied Mathematics	17301	Applied Mathematics	*
49	CS	Third	Building Construction	17308	Building Construction	22304
50	CS	Third	Building Drawing	17309	Building Planning & Drawing	*
51	CS	Third	Surveying	17310	Basic Surveying	*
52	CS	Third	Mechanics of Structures	17311	Mechanics of Structures	22303
53	CV	Third	Professional Practices-I	17018	Professional Practices-I	*
54	CV	Third	Applied Mathematics	17301	Applied Mathematics	*

Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
55	CV	Third	Building Construction	17308	Building Construction	22304
56	CV	Third	Building Drawing	17309	Building Planning & Drawing	*
57	CV	Third	Surveying	17310	Basic Surveying	*
58	CV	Third	Mechanics of Structures	17311	Mechanics of Structures	22303
59	CW	Third	Graphical User Interface (GUI) Programming	17026	Graphical User Interface (GUI) Programming	*
60	CW	Third	Professional Practices-I	17027	Professional Practices-I	*
61	CW	Third	Applied Mathematics	17301	Applied Mathematics	*
62	CW	Third	Data Structure Using 'C'	17330	Data Structure Using 'C'	22317
63	CW	Third	Electrical Technology	17331	Elements of Electrical Engineering	*
64	CW	Third	Relational Database Management System	17332	Database Management System	22319
65	CW	Third	Digital Techniques	17333	Digital Techniques	22320
66	DC	Third	Professional Practices-I	17029	Professional Practices-I	*
67	DC	Third	Basics to Embroidery	17032	Basics to Embroidery	*
68	DC	Third	Textile Testing	17334	Textile Testing	22358
69	DC	Third	Pattern Making - II	17335	Advanced Pattern Making	22356
70	DC	Third	Fabric Structure	17336	Fabric Structure	*
71	DC	Third	Clothing Construction	17337	Garment Component Manufacturing	22359
72	DC	Third	Textile Design	17338	Principles of Textile and Fashion Design	*
73	DE	Third	Programming in C	17020	Programming in C	*
74	DE	Third	Professional Practices-I	17021	Professional Practices-I	*
75	DE	Third	Applied Mathematics	17301	Applied Mathematics	*
76	DE	Third	Electronic Instruments & Measurements	17317	Electronic Instruments & Measurements	22333
77	DE	Third	Electrical Engineering	17318	Elements of Electrical Engineering	*
78	DE	Third	Electronics Devices and Circuits	17319	Applied Electronics	22329
79	DE	Third	Principles of Digital Techniques	17320	Digital Techniques	22320
80	ED	Third	Programming in C	17020	Programming in C	*
81	ED	Third	Professional Practices-I	17021	Professional Practices-I	*
82	ED	Third	Applied Mathematics	17301	Applied Mathematics	*

Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
83	ED	Third	Electronic Instruments & Measurements	17317	Electronics Measurements & Instrumentation	22333
84	ED	Third	Electrical Engineering	17318	Elements of Electrical Engineering	*
85	ED	Third	Electronics Devices and Circuits	17319	Applied Electronics	22329
86	ED	Third	Principles of Digital Techniques	17320	Digital Techniques	22320
87	EE	Third	Computer Programming	17022	Computer Programming	*
88	EE	Third	Electrical Workshop	17023	Electrical Workshop	*
89	EE	Third	Professional Practices-I	17024	Professional Practices-I	*
90	EE	Third	Applied Mathematics	17301	Applied Mathematics	*
91	EE	Third	Basic Electronics (Electrical)	17321	Basic Electronics (Electrical)	*
92	EE	Third	Electrical & Electronic Measurement	17322	Electrical & Electronic Measurement	22325
93	EE	Third	Electrical Circuits and Networks	17323	Electrical Circuits	22324
94	EE	Third	Electrical Power Generation	17324	Electrical Power Generation	22327
95	EI	Third	Programming in C	17020	Programming in C	*
96	EI	Third	Professional Practices-I	17021	Professional Practices-I	*
97	EI	Third	Applied Mathematics	17301	Applied Mathematics	*
98	EI	Third	Electronic Instruments & Measurements	17317	Electronics Measurements & Instrumentation	22333
99	EI	Third	Electrical Engineering	17318	Elements of Electrical Engineering	*
100	EI	Third	Electronics Devices and Circuits	17319	Applied Electronics	22329
101	EI	Third	Principles of Digital Techniques	17320	Digital Techniques	22320
102	EJ	Third	Programming in C	17020	Programming in C	*
103	EJ	Third	Professional Practices-I	17021	Professional Practices-I	*
104	EJ	Third	Applied Mathematics	17301	Applied Mathematics	*
105	EJ	Third	Electronic Instruments & Measurements	17317	Electronics Measurements & Instrumentation	22333
106	EJ	Third	Electrical Engineering	17318	Elements of Electrical Engineering	*
107	EJ	Third	Electronics Devices and Circuits	17319	Applied Electronics	22329
108	EJ	Third	Principles of Digital Techniques	17320	Digital Techniques	22320
109	EN	Third	Programming in C	17020	Programming in C	*
110	EN	Third	Professional Practices-I	17021	Professional Practices-I	*

Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
111	EN	Third	Applied Mathematics	17301	Applied Mathematics	*
112	EN	Third	Electronic Instruments & Measurements	17317	Electronics Measurements & Instrumentation	22333
113	EN	Third	Electrical Engineering	17318	Elements of Electrical Engineering	*
114	EN	Third	Electronics Devices and Circuits	17319	Applied Electronics	22329
115	EN	Third	Principles of Digital Techniques	17320	Digital Techniques	22320
116	EP	Third	Computer Programming	17022	Computer Programming	*
117	EP	Third	Electrical Workshop	17023	Electrical Workshop	*
118	EP	Third	Professional Practices-I	17024	Professional Practices-I	*
119	EP	Third	Applied Mathematics	17301	Applied Mathematics	*
120	EP	Third	Basic Electronics (Electrical)	17321	Basic Electronics (Electrical)	*
121	EP	Third	Electrical & Electronic Measurement	17322	Electrical & Electronic Measurement	22325
122	EP	Third	Electrical Circuits and Networks	17323	Electrical Circuits	22324
123	EP	Third	Electrical Power Generation	17324	Electrical Power Generation	22327
124	EQ	Third	Programming in C	17020	Programming in C	*
125	EQ	Third	Professional Practices-I	17021	Professional Practices-I	*
126	EQ	Third	Applied Mathematics	17301	Applied Mathematics	*
127	EQ	Third	Fundamentals of Communication	17316	Fundamentals of Communication	*
128	EQ	Third	Electrical Engineering	17318	Basic Electrical Engineering	*
129	EQ	Third	Electronics Devices and Circuits	17319	Applied Electronics	22329
130	EQ	Third	Principles of Digital Techniques	17320	Digital Techniques	22320
131	ET	Third	Programming in C	17020	Programming in C	*
132	ET	Third	Professional Practices-I	17021	Professional Practices-I	*
133	ET	Third	Applied Mathematics	17301	Applied Mathematics	*
134	ET	Third	Electronic Instruments & Measurements	17317	Electronics Measurements & Instrumentation	22333
135	ET	Third	Electrical Engineering	17318	Elements of Electrical Engineering	*
136	ET	Third	Electronics Devices and Circuits	17319	Applied Electronics	22329
137	ET	Third	Principles of Digital Techniques	17320	Digital Techniques	22320
138	EU	Third	Computer Programming	17022	Computer Programming	*

Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
139	EU	Third	Electrical Workshop	17023	Electrical Workshop	*
140	EU	Third	Professional Practices-I	17024	Professional Practices-I	*
141	EU	Third	Applied Mathematics	17301	Applied Mathematics	*
142	EU	Third	Basic Electronics (Electrical)	17321	Basic Electronics (Electrical)	*
143	EU	Third	Electrical & Electronic Measurement	17322	Electrical & Electronic Measurement	22325
144	EU	Third	Electrical Circuits and Networks	17323	Electrical Circuits	22324
145	EU	Third	Electrical Power Generation	17324	Electrical Power Generation	22327
146	EV	Third	Programming in C	17020	Programming in C	*
147	EV	Third	Professional Practices-I	17021	Professional Practices-I	*
148	EV	Third	Applied Mathematics	17301	Applied Mathematics	*
149	EV	Third	Fundamentals of Communication	17316	Fundamentals of Communication	*
150	EV	Third	Electrical Engineering	17318	Elements of Electrical Engineering	*
151	EV	Third	Electronics Devices and Circuits	17319	Applied Electronics	22329
152	EV	Third	Principles of Digital Techniques	17320	Digital Techniques	22320
153	EX	Third	Programming in C	17020	Programming in C	*
154	EX	Third	Professional Practices-I	17021	Professional Practices-I	*
155	EX	Third	Applied Mathematics	17301	Applied Mathematics	*
156	EX	Third	Electronic Instruments & Measurements	17317	Electronics Measurements & Instrumentation	22333
157	EX	Third	Electrical Engineering	17318	Elements of Electrical Engineering	*
158	EX	Third	Electronics Devices and Circuits	17319	Applied Electronics	22329
159	EX	Third	Principles of Digital Techniques	17320	Digital Techniques	22320
160	IC	Third	Programming in C	17020	Programming in C	*
161	IC	Third	Professional Practices-I	17021	Professional Practices-I	*
162	IC	Third	Applied Mathematics	17301	Applied Mathematics	*
163	IC	Third	Electronic Instruments & Measurements	17317	Electronics Measurements & Instrumentation	22333
164	IC	Third	Electrical Engineering	17318	Elements of Electrical Engineering	*
165	IC	Third	Electronics Devices and Circuits	17319	Applied Electronics	22329
166	IC	Third	Principles of Digital Techniques	17320	Digital Techniques	22320




Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
167	IE	Third	Programming in C	17020	Programming in C	*
168	IE	Third	Professional Practices-I	17021	Professional Practices-I	*
169	IE	Third	Applied Mathematics	17301	Applied Mathematics	*
170	IE	Third	Electronic Instruments & Measurements	17317	Electronics Measurements & Instrumentation	22333
171	IE	Third	Electrical Engineering	17318	Elements of Electrical Engineering	*
172	IE	Third	Electronics Devices and Circuits	17319	Applied Electronics	22329
173	IE	Third	Principles of Digital Techniques	17320	Digital Techniques	22320
174	IF	Third	Graphical User Interface (GUI) Programming	17026	Graphical User Interface (GUI) Programming	*
175	IF	Third	Professional Practices-I	17027	Professional Practices-I	*
176	IF	Third	Applied Mathematics	17301	Applied Mathematics	*
177	IF	Third	Data Structure Using 'C'	17330	Data Structure Using 'C'	22317
178	IF	Third	Electrical Technology	17331	Elements of Electrical Engineering	*
179	IF	Third	Relational Database Management System	17332	Database Management System	22319
180	IF	Third	Digital Techniques	17333	Digital Techniques	22320
181	IS	Third	Programming in C	17020	Programming in C	*
182	IS	Third	Professional Practices-I	17021	Professional Practices-I	*
183	IS	Third	Applied Mathematics	17301	Applied Mathematics	*
184	IS	Third	Electronic Instruments & Measurements	17317	Electronics Measurements & Instrumentation	22333
185	IS	Third	Electrical Engineering	17318	Elements of Electrical Engineering	*
186	IS	Third	Electronics Devices and Circuits	17319	Applied Electronics	22329
187	IS	Third	Principles of Digital Techniques	17320	Digital Techniques	22320
188	IU	Third	Programming in C	17020	Programming in C	*
189	IU	Third	Professional Practices-I	17021	Professional Practices-I	*
190	IU	Third	Applied Mathematics	17301	Applied Mathematics	*
191	IU	Third	Electronic Instruments & Measurements	17317	Electronics Measurements & Instrumentation	22333
192	IU	Third	Electrical Engineering	17318	Elements of Electrical Engineering	*
193	IU	Third	Electronics Devices and Circuits	17319	Applied Electronics	22329
194	IU	Third	Principles of Digital Techniques	17320	Digital Techniques	22320

Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
195	ME	Third	Computer Aided Drafting	17016	Computer Aided Drafting	*
196	ME	Third	Professional Practices-I	17017	Professional Practices-I	*
197	ME	Third	Applied Mathematics	17301	Applied Mathematics	*
198	ME	Third	Basic Electronics & Mechatronics	17302	Basic Electronics & Mechatronics	*
199	ME	Third	Mechanical Engineering Materials	17303	Mechanical Engineering Materials	22343
200	ME	Third	Strength of Materials	17304	Strength of Materials	22306
201	ME	Third	Mechanical Engineering Drawing	17305	Mechanical Engineering Drawing	22341
202	MH	Third	Computer Aided Drafting	17016	Computer Aided Drafting	*
203	MH	Third	Professional Practices-I	17017	Professional Practices-I	*
204	MH	Third	Applied Mathematics	17301	Applied Mathematics	*
205	MH	Third	Basic Electronics & Mechatronics	17302	Basic Electronics & Mechatronics	*
206	MH	Third	Mechanical Engineering Materials	17303	Mechanical Engineering Materials	22343
207	MH	Third	Strength of Materials	17304	Strength of Materials	22306
208	MH	Third	Mechanical Engineering Drawing	17305	Mechanical Engineering Drawing	22341
209	MI	Third	Computer Aided Drafting	17016	Computer Aided Drafting	*
210	MI	Third	Professional Practices-I	17017	Professional Practices-I	*
211	MI	Third	Applied Mathematics	17301	Applied Mathematics	*
212	MI	Third	Basic Electronics & Mechatronics	17302	Basic Electronics & Mechatronics	*
213	MI	Third	Mechanical Engineering Materials	17303	Mechanical Engineering Materials	22343
214	MI	Third	Strength of Materials	17304	Strength of Materials	22306
215	MI	Third	Mechanical Engineering Drawing	17305	Mechanical Engineering Drawing	22341
216	MU	Third	Programming in C	17020	Programming in C	*
217	MU	Third	Professional Practices-I	17021	Professional Practices-I	*
218	MU	Third	Applied Mathematics	17301	Applied Mathematics	*
219	MU	Third	Electronic Instruments & Measurements	17317	Electronics Measurements & Instrumentation	22333
220	MU	Third	Electrical Engineering	17318	Basic Electrical Engineering	*
221	MU	Third	Electronics Devices and Circuits	17319	Applied Electronics	22329
222	MU	Third	Principles of Digital Techniques	17320	Digital Techniques	22320

Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
223	PG	Third	Computer Aided Drafting	17016	Computer Aided Drafting	*
224	PG	Third	Professional Practices-I	17017	Professional Practices-I	*
225	PG	Third	Applied Mathematics	17301	Applied Mathematics	*
226	PG	Third	Basic Electronics & Mechatronics	17302	Basic Electronics & Mechatronics	*
227	PG	Third	Mechanical Engineering Materials	17303	Mechanical Engineering Materials	22343
228	PG	Third	Strength of Materials	17304	Strength of Materials	22306
229	PG	Third	Mechanical Engineering Drawing	17305	Mechanical Engineering Drawing	22341
230	PS	Third	Professional Practices-III	17025	Professional Practices-III	*
231	PS	Third	Applied Mathematics	17301	Applied Mathematics	*
232	PS	Third	Strength of Materials	17304	Strength of Materials	22306
233	PS	Third	Basics of Chemical Engineering	17325	Basics of Chemical Engineering	*
234	PS	Third	Fundamentals of Polymer Chemistry	17326	Fundamentals of Polymer Chemistry	*
235	PS	Third	Elements of Electrical & Electronics	17327	Elements of Electrical & Electronics	*
236	PT	Third	Computer Aided Drafting	17016	Computer Aided Drafting	*
237	PT	Third	Professional Practices-I	17017	Professional Practices-I	*
238	PT	Third	Applied Mathematics	17301	Applied Mathematics	*
239	PT	Third	Basic Electronics & Mechatronics	17302	Basic Electronics & Mechatronics	*
240	PT	Third	Mechanical Engineering Materials	17303	Mechanical Engineering Materials	22343
241	PT	Third	Strength of Materials	17304	Strength of Materials	22306
242	PT	Third	Mechanical Engineering Drawing	17305	Mechanical Engineering Drawing	22341
243	TC	Third	Professional Practices-I	17030	Professional Practices-I	*
244	TC	Third	Textile Design & Colour	17031	Textile Design & Colour	*
245	TC	Third	Industrial Chemistry	17339	Industrial Chemistry	22362
246	TC	Third	Organic Chemistry - II	17340	Organic Chemistry - II	*
247	TC	Third	Chemistry of Synthetic Fibers	17341	Synthetic Substrates	*
248	TC	Third	Technology of Bleaching & Mercerisation	17342	Technology of Textile Pretreatment	22360
249	TC	Third	Chemistry of Dyes & Pigments	17343	Chemistry of Dyes & Pigments	*
250	TX	Third	Elements of Electrical Engineering & Mechanics	17015	Elements of Electrical Engineering & Mechanics	*

Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
251	TX	Third	Professional Practices-I	17030	Professional Practices-I	*
252	TX	Third	Yarn Manufacturing-II	17344	Carding and Combing	22365
253	TX	Third	Fabric Manufacturing-II	17345	Warp Yarn Preparation	22366
254	TX	Third	Textile Testing-II	17346	Yarn Testing	22369
255	TX	Third	Textile Chemistry-I	17347	Basic of Fibre Science	22368
256	TX	Third	Fabric Structure-I	17348	Fabric Structure Design	*

\* Indicates that the paper in 'G' Scheme will be continued

  
 (V. R. Jadhav)  
 I/C Secretary  
 M.S. Board of Technical Education,  
 Mumbai

## Equivalent Subject 'G' to 'I' Scheme

Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
1	AE	Fourth	Professional Practices-II	17035	Professional Practices-II	*
2	AE	Fourth	Environmental Studies	17401	Environmental Studies	22447
3	AE	Fourth	Automobile Manufacturing Processes	17403	Automobile Manufacturing Processes	22439
4	AE	Fourth	Heat Power Engineering	17407	Heat Power Engineering	22441
5	AE	Fourth	Automobile Engines	17408	Automobile Engines	*
6	AE	Fourth	Automobile Systems and Body Engineering	17409	Automobile Systems and Body Engineering	22442
7	AE	Fourth	Theory of Machines	17412	Theory of Machines	22438
8	CD	Fourth	Professional Practices-II	17042	Professional Practices-II	*
9	CD	Fourth	Computer Graphics	17056	Computer Graphics	*
10	CD	Fourth	Environmental Studies	17401	Environmental Studies	22447
11	CD	Fourth	Computer Hardware & Maintenance	17428	Computer Hardware & Maintenance	*
12	CD	Fourth	Computer Network	17429	Data Communication and Computer Network	22414
13	CD	Fourth	Microprocessor and Programming	17431	Microprocessor	22415
14	CD	Fourth	Object Oriented Programming	17432	Object Oriented Programming Using C++	*
15	CE	Fourth	Computer Aided Drawing	17036	Computer Aided Drawing	*
16	CE	Fourth	Professional Practices-II	17037	Professional Practices-II	*
17	CE	Fourth	Environmental Studies	17401	Environmental Studies	22447
18	CE	Fourth	Transportation Engineering	17418	Railway and Bridge Engineering	22403
19	CE	Fourth	Advanced Surveying	17419	Advanced Surveying	*
20	CE	Fourth	Geo Technical Engineering	17420	Geo Technical Engineering	22404
21	CE	Fourth	Hydraulics	17421	Hydraulics	22401
22	CE	Fourth	Theory of Structures	17422	Theory of Structures	22402
23	CH	Fourth	CAD Software	17039	CAD Software	*
24	CH	Fourth	Professional Practices-II	17040	Professional Practices-II	*
25	CH	Fourth	Physical Chemistry and Material of Construction	17423	Physical Chemistry and Material of Construction	*
26	CH	Fourth	Electrical and Electronics	17424	Electrical and Electronics	*

Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
27	CH	Fourth	Plant Utility	17425	Plant Utility	*
28	CH	Fourth	Fluid Flow Operation	17426	Fluid Flow Operation	22409
29	CH	Fourth	Chemical Process Technology-II	17427	Technology of Organic Chemicals	22410
30	CM	Fourth	Professional Practices-II	17042	Professional Practices-II	*
31	CM	Fourth	Computer Graphics	17056	Computer Graphics	*
32	CM	Fourth	Environmental Studies	17401	Environmental Studies	22447
33	CM	Fourth	Computer Hardware & Maintenance	17428	Computer Hardware & Maintenance	*
34	CM	Fourth	Computer Network	17429	Data Communication and Computer Network	22414
35	CM	Fourth	Microprocessor and Programming	17431	Microprocessor	22415
36	CM	Fourth	Object Oriented Programming	17432	Object Oriented Programming Using C++	*
37	CO	Fourth	Professional Practices-II	17042	Professional Practices-II	*
38	CO	Fourth	Computer Graphics	17056	Computer Graphics	*
39	CO	Fourth	Environmental Studies	17401	Environmental Studies	22447
40	CO	Fourth	Computer Hardware & Maintenance	17428	Computer Hardware & Maintenance	*
41	CO	Fourth	Computer Network	17429	Data Communication and Computer Network	22414
42	CO	Fourth	Microprocessor and Programming	17431	Microprocessor	22415
43	CO	Fourth	Object Oriented Programming	17432	Object Oriented Programming Using C++	*
44	CR	Fourth	Computer Aided Drawing	17036	Computer Aided Drawing	*
45	CR	Fourth	Professional Practices-II	17037	Professional Practices-II	*
46	CR	Fourth	Environmental Studies	17401	Environmental Studies	22447
47	CR	Fourth	Transportation Engineering	17418	Railway and Bridge Engineering	22403
48	CR	Fourth	Advanced Surveying	17419	Advanced Surveying	*
49	CR	Fourth	Geo Technical Engineering	17420	Geo Technical Engineering	22404
50	CR	Fourth	Hydraulics	17421	Hydraulics	22401
51	CR	Fourth	Theory of Structures	17422	Theory of Structures	22402
52	CS	Fourth	Computer Aided Drawing	17036	Computer Aided Drawing	*
53	CS	Fourth	Professional Practices-II	17037	Professional Practices-II	*
54	CS	Fourth	Environmental Studies	17401	Environmental Studies	22447

Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
55	CS	Fourth	Transportation Engineering	17418	Railway and Bridge Engineering	22403
56	CS	Fourth	Advanced Surveying	17419	Advanced Surveying	*
57	CS	Fourth	Geo Technical Engineering	17420	Geo Technical Engineering	22404
58	CS	Fourth	Hydraulics	17421	Hydraulics	22401
59	CS	Fourth	Theory of Structures	17422	Theory of Structures	22402
60	CV	Fourth	Computer Aided Drawing	17036	Computer Aided Drawing	*
61	CV	Fourth	Professional Practices-II	17037	Professional Practices-II	*
62	CV	Fourth	Environmental Studies	17401	Environmental Studies	22447
63	CV	Fourth	Transportation Engineering	17418	Railway and Bridge Engineering	22403
64	CV	Fourth	Advanced Surveying	17419	Advanced Surveying	*
65	CV	Fourth	Geo Technical Engineering	17420	Geo Technical Engineering	22404
66	CV	Fourth	Hydraulics	17421	Hydraulics	22401
67	CV	Fourth	Theory of Structures	17422	Theory of Structures	22402
68	CW	Fourth	Professional Practices-II	17042	Professional Practices-II	*
69	CW	Fourth	Computer Graphics	17056	Computer Graphics	*
70	CW	Fourth	Environmental Studies	17401	Environmental Studies	22447
71	CW	Fourth	Computer Hardware & Maintenance	17428	Computer Hardware & Maintenance	*
72	CW	Fourth	Computer Network	17429	Data Communication and Computer Network	22414
73	CW	Fourth	Microprocessor and Programming	17431	Microprocessor	22415
74	CW	Fourth	Object Oriented Programming	17432	Object Oriented Programming Using C++	*
75	DC	Fourth	CAD in Textile Design	17049	CAD in Textile Design	*
76	DC	Fourth	Professional Practices-II	17050	Professional Practices-II	*
77	DC	Fourth	Environmental Studies	17401	Environmental Studies	22447
78	DC	Fourth	Colouration of Textiles	17458	Technology of Pre-treatment and Colouration	22470
79	DC	Fourth	Knitted Fabric Design & Technology	17459	Knitted and Non-Woven Fabric Technology	*
80	DC	Fourth	Clothing Production Machinery & Equipment	17460	Clothing Production Machinery & Equipment	22469
81	DC	Fourth	Indian Western Costume	17461	Indian and World Costumes	*
82	DE	Fourth	Visual Basic	17043	Visual Basic	*

Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
83	DE	Fourth	Professional Practices-II	17044	Professional Practices-II	*
84	DE	Fourth	Environmental Studies	17401	Environmental Studies	22447
85	DE	Fourth	Industrial Measurements	17434	Industrial Measurements	*
86	DE	Fourth	Principles of Analog Communication	17439	Principles of Analog Communication	*
87	DE	Fourth	Microprocessor	17443	Microprocessor	*
88	DE	Fourth	Linear Integrated Circuits	17445	Linear Integrated Circuits	22423
89	ED	Fourth	Visual Basic	17043	Visual Basic	*
90	ED	Fourth	Professional Practices-II	17044	Professional Practices-II	*
91	ED	Fourth	Environmental Studies	17401	Environmental Studies	22447
92	ED	Fourth	Industrial Measurements	17434	Industrial Measurements	*
93	ED	Fourth	Analog Communication	17440	Principles of Electronics Communication	*
94	ED	Fourth	Power Electronics	17444	Basic Power Electronics	22427
95	ED	Fourth	Linear Integrated Circuits	17445	Linear Integrated Circuits	22423
96	EE	Fourth	Professional Practices-II	17038	Professional Practices-II	*
97	EE	Fourth	Environmental Studies	17401	Environmental Studies	22447
98	EE	Fourth	Elements of Mechanical Engineering	17413	Elements of Mechanical Engineering	*
99	EE	Fourth	Industrial Instrumentation	17414	Industrial Instrumentation	22420
100	EE	Fourth	D.C. Machines & Transformers	17415	Electrical Motors Transformers	22418
101	EE	Fourth	Industry Electrical Systems-I	17416	Industry Electrical Systems-I	*
102	EE	Fourth	Transmission and Distribution of	17417	Electrical Power of Transmission and	22419
103	EI	Fourth	Visual Basic	17043	Visual Basic	*
104	EI	Fourth	Professional Practices-II	17044	Professional Practices-II	*
105	EI	Fourth	Environmental Studies	17401	Environmental Studies	22447
106	EI	Fourth	Industrial Measurements	17434	Industrial Measurements	*
107	EI	Fourth	Analog Communication	17440	Principles of Electronics Communication	*
108	EI	Fourth	Power Electronics	17444	Basic Power Electronics	22427
109	EI	Fourth	Linear Integrated Circuits	17445	Linear Integrated Circuits	22423
110	EI	Fourth	Visual Basic	17043	Visual Basic	*



Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
111	EJ	Fourth	Professional Practices-II	17044	Professional Practices-II	*
112	EJ	Fourth	Environmental Studies	17401	Environmental Studies	22447
113	EJ	Fourth	Industrial Measurements	17434	Industrial Measurements	*
114	EJ	Fourth	Analog Communication	17440	Principles of Electronics Communication	*
115	EJ	Fourth	Power Electronics	17444	Basic Power Electronics	22427
116	EJ	Fourth	Linear Integrated Circuits	17445	Linear Integrated Circuits	22423
117	EN	Fourth	Visual Basic	17043	Visual Basic	*
118	EN	Fourth	Professional Practices-II	17044	Professional Practices-II	*
119	EN	Fourth	Environmental Studies	17401	Environmental Studies	22447
120	EN	Fourth	Industrial Measurements	17434	Industrial Measurements	*
121	EN	Fourth	Analog Communication	17440	Principles of Electronics Communication	*
122	EN	Fourth	Power Electronics	17444	Basic Power Electronics	22427
123	EN	Fourth	Linear Integrated Circuits	17445	Linear Integrated Circuits	22423
124	EP	Fourth	Professional Practices-II	17038	Professional Practices-II	*
125	EP	Fourth	Environmental Studies	17401	Environmental Studies	22447
126	EP	Fourth	Elements of Mechanical Engineering	17413	Elements of Mechanical Engineering	*
127	EP	Fourth	Industrial Instrumentation	17414	Industrial Instrumentation	22420
128	EP	Fourth	D.C. Machines & Transformers	17415	Electrical Motors Transformers	22418
129	EP	Fourth	Industry Electrical Systems-I	17416	Industry Electrical Systems-I	*
130	EP	Fourth	Transmission and Distribution of	17417	Electrical Power of Transmission and	22419
131	EQ	Fourth	Visual Basic	17043	Visual Basic	*
132	EQ	Fourth	Professional Practices-II	17044	Professional Practices-II	*
133	EQ	Fourth	Environmental Studies	17401	Environmental Studies	22447
134	EQ	Fourth	Electronic Instrumentation	17435	Industrial Instrumentation & Sensors	*
135	EQ	Fourth	Radio Reception	17437	Principles of Electronics Communication	*
136	EQ	Fourth	TV Signal Transmission System	17441	TV Signal Transmission System	*
137	EQ	Fourth	Linear Integrated Circuits	17445	Linear Integrated Circuits	22423
138	ET	Fourth	Visual Basic	17043	Visual Basic	*

Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
139	ET	Fourth	Professional Practices-II	17044	Professional Practices-II	*
140	ET	Fourth	Environmental Studies	17401	Environmental Studies	22447
141	ET	Fourth	Industrial Measurements	17434	Industrial Measurements	*
142	ET	Fourth	Analog Communication	17440	Principles of Electronics Communication	*
143	ET	Fourth	Power Electronics	17444	Basic Power Electronics	22427
144	ET	Fourth	Linear Integrated Circuits	17445	Linear Integrated Circuits	22423
145	EU	Fourth	Professional Practices-II	17038	Professional Practices-II	*
146	EU	Fourth	Environmental Studies	17401	Environmental Studies	22447
147	EU	Fourth	Industrial Instrumentation	17414	Industrial Instrumentation	22420
148	EU	Fourth	D.C. Machines & Transformers $\beta$	17415	Electrical Motors Transformers	22418
149	EU	Fourth	Transmission and Distribution of Electrical	17417	Electrical Power of Transmission and	22419
150	EU	Fourth	Industrial Installation Systems	17474	Industrial Installation Systems	*
151	EU	Fourth	Elements of Digital Techniques	17475	Elements of Digital Techniques	*
152	EV	Fourth	Visual Basic	17043	Visual Basic	*
153	EV	Fourth	Professional Practices-II	17044	Professional Practices-II	*
154	EV	Fourth	Environmental Studies	17401	Environmental Studies	22447
155	EV	Fourth	Electronic Instrumentation	17435	Industrial Instrumentation & Sensors	*
156	EV	Fourth	Radio Reception	17437	Principles of Electronics Communication	*
157	EV	Fourth	TV Signal Transmission System	17441	TV Signal Transmission System	*
158	EV	Fourth	Linear Integrated Circuits	17445	Linear Integrated Circuits	22423
159	EX	Fourth	Visual Basic	17043	Visual Basic	*
160	EX	Fourth	Professional Practices-II	17044	Professional Practices-II	*
161	EX	Fourth	Environmental Studies	17401	Environmental Studies	22447
162	EX	Fourth	Industrial Measurements	17434	Industrial Measurements	*
163	EX	Fourth	Analog Communication	17440	Principles of Electronics Communication	*
164	EX	Fourth	Power Electronics	17444	Basic Power Electronics	22427
165	EX	Fourth	Linear Integrated Circuits	17445	Linear Integrated Circuits	22423
166	IC	Fourth	Visual Basic	17043	Visual Basic	*


Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
167	IC	Fourth	Professional Practices-II	17044	Professional Practices-II	*
168	IC	Fourth	Environmental Studies	17401	Environmental Studies	22447
169	IC	Fourth	Industrial Measurements	17434	Industrial Measurements	*
170	IC	Fourth	Power Electronics	17444	Basic Power Electronics	22427
171	IC	Fourth	Linear Integrated Circuits	17445	Linear Integrated Circuits	22423
172	IC	Fourth	Principles of Communication Systems	17472	Instrumentation Data Communication	*
173	IE	Fourth	Visual Basic	17043	Visual Basic	*
174	IE	Fourth	Professional Practices-II	17044	Professional Practices-II	*
175	IE	Fourth	Environmental Studies	17401	Environmental Studies	22447
176	IE	Fourth	Industrial Measurements	17434	Industrial Measurements	*
177	IE	Fourth	Power Electronics	17444	Basic Power Electronics	22427
178	IE	Fourth	Linear Integrated Circuits	17445	Linear Integrated Circuits	22423
179	IE	Fourth	Principles of Communication Systems	17472	Principles of Communication Systems	*
180	IF	Fourth	Applied Multimedia Technology	17041	Applied Multimedia Technology	*
181	IF	Fourth	Professional Practices-II	17042	Professional Practices-II	*
182	IF	Fourth	Environmental Studies	17401	Environmental Studies	22447
183	IF	Fourth	Computer Hardware & Maintenance	17428	Computer Peripheral & Hardware Maintenance	*
184	IF	Fourth	Data Communication & Networking	17430	Data Communication and Computer Network	22414
185	IF	Fourth	Microprocessor and Programming	17431	Microprocessor	22415
186	IF	Fourth	Object Oriented Programming	17432	Object Oriented Programming Using C++	*
187	IS	Fourth	Visual Basic	17043	Visual Basic	*
188	IS	Fourth	Professional Practices-II	17044	Professional Practices-II	*
189	IS	Fourth	Environmental Studies	17401	Environmental Studies	22447
190	IS	Fourth	Industrial Measurements	17434	Industrial Measurements	*
191	IS	Fourth	Power Electronics	17444	Basic Power Electronics	22427
192	IS	Fourth	Linear Integrated Circuits	17445	Linear Integrated Circuits	22423
193	IS	Fourth	Principles of Communication Systems	17472	Instrumentation Data Communication	*
194	IU	Fourth	Visual Basic	17043	Visual Basic	*

Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
195	IU	Fourth	Professional Practices-II	17044	Professional Practices-II	*
196	IU	Fourth	Environmental Studies	17401	Environmental Studies	22447
197	IU	Fourth	Industrial Measurements	17434	Industrial Measurements	*
198	IU	Fourth	Power Electronics	17444	Basic Power Electronics	22427
199	IU	Fourth	Linear Integrated Circuits	17445	Linear Integrated Circuits	22423
200	IU	Fourth	Principles of Communication Systems	17472	Principles of Communication Systems	*
201	ME	Fourth	Professional Practices-II	17035	Professional Practices-II	*
202	ME	Fourth	Environmental Studies	17401	Environmental Studies	22447
203	ME	Fourth	Manufacturing Processes	17402	Manufacturing Processes	22446
204	ME	Fourth	Electrical Engineering	17404	Electrical Engineering	*
205	ME	Fourth	Thermal Engineering	17410	Thermal Engineering	*
206	ME	Fourth	Fluid Mechanics & Machinery	17411	Fluid Mechanics & Machinery	22445
207	ME	Fourth	Theory of Machines	17412	Theory of Machines	22438
208	MH	Fourth	Professional Practices-II	17035	Professional Practices-II	*
209	MH	Fourth	Environmental Studies	17401	Environmental Studies	22447
210	MH	Fourth	Manufacturing Processes	17402	Manufacturing Processes	22446
211	MH	Fourth	Electrical Engineering	17404	Electrical Engineering	*
212	MH	Fourth	Thermal Engineering	17410	Thermal Engineering	*
213	MH	Fourth	Fluid Mechanics & Machinery	17411	Fluid Mechanics & Machinery	22445
214	MH	Fourth	Theory of Machines	17412	Theory of Machines	22438
215	MI	Fourth	Professional Practices-II	17035	Professional Practices-II	*
216	MI	Fourth	Environmental Studies	17401	Environmental Studies	22447
217	MI	Fourth	Manufacturing Processes	17402	Manufacturing Processes	22446
218	MI	Fourth	Electrical Engineering	17404	Electrical Engineering	*
219	MI	Fourth	Thermal Engineering	17410	Thermal Engineering	*
220	MI	Fourth	Fluid Mechanics & Machinery	17411	Fluid Mechanics & Machinery	22445
221	MI	Fourth	Theory of Machines	17412	Theory of Machines	22438
222	MU	Fourth	Visual Basic	17043	Visual Basic	*

Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
223	MU	Fourth	Professional Practices-II	17044	Professional Practices-II	*
224	MU	Fourth	Environmental Studies	17401	Environmental Studies	22447
225	MU	Fourth	Human Biology	17436	Human Anatomy and Physiology	*
226	MU	Fourth	Communication Techniques	17438	Electronic Communication Techniques	22437
227	MU	Fourth	Biosensor	17442	Biosensor	*
228	MU	Fourth	Linear Integrated Circuits	17445	Linear Integrated Circuits	22423
229	PG	Fourth	Professional Practices-II	17035	Professional Practices-II	*
230	PG	Fourth	Environmental Studies	17401	Environmental Studies	22447
231	PG	Fourth	Manufacturing Processes	17402	Manufacturing Processes	22446
232	PG	Fourth	Electrical Engineering	17404	Electrical Engineering	*
233	PG	Fourth	Heat Engineering	17406	Heat Engineering	*
234	PG	Fourth	Fluid Mechanics & Machinery	17411	Fluid Mechanics & Machinery	22445
235	PG	Fourth	Theory of Machines	17412	Theory of Machines	22438
236	PS	Fourth	Computer Programming	17045	Computer Programming	*
237	PS	Fourth	Professional Practice-II	17046	Professional Practice-II	*
238	PS	Fourth	Environmental Studies	17401	Environmental Studies	22447
239	PS	Fourth	Electrical and Electronics	17424	Electrical and Electronics	*
240	PS	Fourth	Polymer Chemistry	17446	Polymer Chemistry	*
241	PS	Fourth	Plastic Materials	17448	Plastic Materials	*
242	PS	Fourth	Plastic Processing-I	17449	Plastic Processing-I	*
243	PT	Fourth	Professional Practices-II	17035	Professional Practices-II	*
244	PT	Fourth	Environmental Studies	17401	Environmental Studies	22447
245	PT	Fourth	Manufacturing Processes	17402	Manufacturing Processes	22446
246	PT	Fourth	Electrical Engineering	17404	Electrical Engineering	*
247	PT	Fourth	Heat Engineering	17406	Heat Engineering	*
248	PT	Fourth	Fluid Mechanics & Machinery	17411	Fluid Mechanics & Machinery	22445
249	PT	Fourth	Theory of Machines	17412	Theory of Machines	22438
250	TC	Fourth	Professional Practices-II	17052	Professional Practices-II	*

Sr. No.	Program Code	Sem	Course Name of 'G' Scheme	Course Code of 'G' Scheme	Course Name of 'I' Scheme	Course Code of 'I' Scheme
251	TC	Fourth	Environmental Studies	17401	Environmental Studies	22447
252	TC	Fourth	Technology of Dyeing-I	17467	Dyeing of Natural Substrates	22458
253	TC	Fourth	Technology of Printing-I	17468	Printing of Natural Substrates	22459
254	TC	Fourth	Technology of Finishing-I	17469	Finishing of Natural Substrates	22460
255	TC	Fourth	Elements of Chemical Engg. Operation	17470	Elements of Chemical Engg. Operation	*
256	TC	Fourth	Textile Testing	17471	Textile Testing	*
257	TX	Fourth	Professional Practice-II	17054	Professional Practice-II	*
258	TX	Fourth	Environmental Studies	17401	Environmental Studies	22447
259	TX	Fourth	Yarn Manufacturing-III	17462	Rovong and Ring Spinning	22461
260	TX	Fourth	Fabric Manufacturing-III	17463	Automatic Weaving	*
261	TX	Fourth	Knitting Technology	17464	Basic Knitting Technology	22463
262	TX	Fourth	Textile Testing-III	17465	Fabric and Garment Testing	*
263	TX	Fourth	Textile Chemistry-II	17466	Elements of Wet Processing	*

\* Indicates that the paper in 'G' Scheme will be continued

  
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