

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 / DOE : 27.07.14 FN & AN ✓

Subject: Civil Engineering ✓

Code: CVE08 ✓

No. of Questions: 200

Series-A ✓

Mark: 300

1	D ✓	41	B ✓	81	D ✓	121	D ✓	161	B ✓
2	C ✓	42	B ✓	82	B ✓	122	D ✓	162	D ✓
3	C ✓	43	B ✓	83	C ✓	123	C ✓	163	C ✓
4	C ✓	44	B ✓	84	C ✓	124	D ✓	164	A ✓
5	B ✓	45	A ✓	85	A ✓	125	B ✓	165	D ✓
6	C ✓	46	C ✓	86	B ✓	126	B ✓	166	A ✓
7	C ✓	47	B ✓	87	B ✓	127	C ✓	167	D ✓
8	C ✓	48	A ✓	88	D ✓	128	D ✓	168	B ✓
9	A ✓	49	C ✓	89	C ✓	129	C ✓	169	C ✓
10	D ✓	50	D ✓	90	D ✓	130	C ✓	170	B ✓
11	D ✓	51	A/C ✓	91	B ✓	131	A ✓	171	C ✓
12	B ✓	52	B ✓	92	B ✓	132	B ✓	172	B ✓
13	C ✓	53	C ✓	93	D ✓	133	B ✓	173	D ✓
14	B ✓	54	C ✓	94	A/B ✓	134	B ✓	174	B ✓
15	B ✓	55	A ✓	95	C ✓	135	B ✓	175	B ✓
16	D ✓	56	A ✓	96	C ✓	136	D ✓	176	A ✓
17	A ✓	57	B ✓	97	D ✓	137	D ✓	177	C ✓
18	D ✓	58	B ✓	98	B ✓	138	B ✓	178	C ✓
19	C ✓	59	C ✓	99	D ✓	139	C ✓	179	A ✓
20	D ✓	60	B ✓	100	C ✓	140	D ✓	180	D ✓
21	C ✓	61	D ✓	101	A ✓	141	A ✓	181	C ✓
22	A ✓	62	A ✓	102	C ✓	142	D ✓	182	D ✓
23	C ✓	63	B ✓	103	C ✓	143	A ✓	183	A ✓
24	D ✓	64	B ✓	104	C ✓	144	C/D ✓	184	D ✓
25	A ✓	65	A/B ✓	105	B ✓	145	D ✓	185	A ✓
26	A ✓	66	D ✓	106	A ✓	146	B ✓	186	B ✓
27	A ✓	67	B ✓	107	C ✓	147	D ✓	187	D ✓
28	C ✓	68	C ✓	108	B ✓	148	C ✓	188	A ✓
29	B ✓	69	A ✓	109	D ✓	149	A ✓	189	B ✓
30	A ✓	70	C ✓	110	D ✓	150	B ✓	190	C ✓
31	D ✓	71	C ✓	111	A ✓	151	D ✓	191	B ✓
32	B ✓	72	A ✓	112	B ✓	152	D ✓	192	C ✓
33	C ✓	73	A ✓	113	C ✓	153	A ✓	193	C ✓
34	C ✓	74	A ✓	114	C ✓	154	B ✓	194	D ✓
35	D ✓	75	C ✓	115	C ✓	155	A ✓	195	C ✓
36	A ✓	76	C ✓	116	A ✓	156	D ✓	196	B ✓
37	D ✓	77	C ✓	117	D ✓	157	A ✓	197	D ✓
38	A ✓	78	B ✓	118	D ✓	158	C ✓	198	B ✓
39	D ✓	79	D ✓	119	C ✓	159	C ✓	199	C ✓
40	A ✓	80	B ✓	120	D ✓	160	D ✓	200	C ✓

* U - ALL ; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE:27.07.14 FN & AN

Subject: Civil Engineering

Code: CVE08

No. of Questions: 200

Series-B

Mark: 300

1	C	41	A	81	B	121	B	161	D
2	C	42	B	82	C	122	B	162	D
3	C	43	B	83	B	123	B	163	C
4	A	44	D	84	D	124	A	164	D
5	D	45	A/B	85	D	125	C	165	D
6	D	46	C	86	A	126	B	166	D
7	B	47	C	87	D	127	A	167	C
8	C	48	A	88	A	128	A	168	C
9	B	49	C	89	B	129	B	169	A
10	D	50	B	90	D	130	B	170	B
11	A	51	D	91	A	131	C	171	B
12	A	52	D	92	B	132	B	172	B
13	A	53	A	93	C	133	D	173	B
14	C	54	B	94	B	134	A	174	A
15	A	55	C	95	D	135	A	175	C/D
16	D	56	D	96	B	136	A	176	D
17	A	57	B	97	C	137	C	177	B
18	D	58	B	98	C	138	C	178	D
19	A	59	C	99	D	139	C	179	C
20	C	60	D	100	C	140	B	180	A
21	D	61	D	101	C	141	D	181	C
22	A/C	62	D	102	C	142	B	182	C
23	B	63	B	103	B	143	B	183	D
24	C	64	C	104	B	144	B	184	B
25	C	65	D	105	D	145	D	185	D
26	A	66	A	106	A	146	C	186	C
27	B	67	D	107	D	147	D	187	A
28	B	68	A	108	C	148	D	188	B
29	A/B	69	B	109	D	149	B	189	B
30	D	70	D	110	C	150	D	190	A
31	B	71	D	111	A	151	C	191	C
32	C	72	A	112	C	152	A	192	C
33	A	73	B	113	B	153	C	193	A
34	C	74	A	114	A	154	C	194	D
35	C	75	D	115	D	155	C	195	C
36	A	76	D	116	B	156	B	196	C
37	D	77	A	117	C	157	C	197	B
38	B	78	D	118	C	158	C	198	C
39	C	79	B	119	D	159	C	199	C
40	C	80	C	120	B	160	A	200	D

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Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE :27.07.14 FN & AN ✓

Subject: Civil Engineering ✓

Code: CVE08 ✓

No. of Questions: 200

Series-C ✓

Mark: 300

1	D ✓	41	C ✓	81	C ✓	121	A ✓	161	B ✓
2	A ✓	42	B ✓	82	C ✓	122	C ✓	162	C ✓
3	A ✓	43	D ✓	83	A ✓	123	C ✓	163	C ✓
4	A ✓	44	B ✓	84	B ✓	124	A ✓	164	D ✓
5	C ✓	45	C ✓	85	B ✓	125	B ✓	165	A ✓
6	C ✓	46	C ✓	86	B ✓	126	B ✓	166	B ✓
7	D ✓	47	B ✓	87	B ✓	127	D ✓	167	B ✓
8	A/C ✓	48	D ✓	88	A ✓	128	A/B ✓	168	C ✓
9	B ✓	49	A ✓	89	C ✓	129	C ✓	169	B ✓
10	C ✓	50	D ✓	90	C ✓	130	C ✓	170	D ✓
11	C ✓	51	C ✓	91	D ✓	131	C ✓	171	A ✓
12	A ✓	52	D ✓	92	B ✓	132	D ✓	172	B ✓
13	D ✓	53	C ✓	93	D ✓	133	B ✓	173	B ✓
14	B ✓	54	A ✓	94	C ✓	134	B ✓	174	D ✓
15	C ✓	55	C ✓	95	A ✓	135	C ✓	175	C ✓
16	C ✓	56	B ✓	96	C ✓	136	D ✓	176	D ✓
17	A ✓	57	B ✓	97	B ✓	137	A ✓	177	C ✓
18	A ✓	58	B ✓	98	C ✓	138	B ✓	178	C ✓
19	C ✓	59	B ✓	99	C ✓	139	D ✓	179	C ✓
20	B ✓	60	A ✓	100	D ✓	140	D ✓	180	A ✓
21	D ✓	61	C ✓	101	C ✓	141	A ✓	181	D ✓
22	D ✓	62	B ✓	102	C ✓	142	B ✓	182	D ✓
23	A ✓	63	A ✓	103	C ✓	143	A ✓	183	C ✓
24	B ✓	64	A ✓	104	A ✓	144	D ✓	184	D ✓
25	D ✓	65	A ✓	105	D ✓	145	D ✓	185	D ✓
26	D ✓	66	C ✓	106	D ✓	146	A ✓	186	D ✓
27	B ✓	67	C ✓	107	B ✓	147	D ✓	187	A ✓
28	C ✓	68	C ✓	108	C ✓	148	A ✓	188	C/D ✓
29	D ✓	69	B ✓	109	B ✓	149	B ✓	189	D ✓
30	A ✓	70	D ✓	110	A ✓	150	D ✓	190	B ✓
31	D ✓	71	B ✓	111	D ✓	151	A ✓	191	D ✓
32	D ✓	72	D ✓	112	A ✓	152	B ✓	192	C ✓
33	A ✓	73	B ✓	113	D ✓	153	D ✓	193	B ✓
34	D ✓	74	D ✓	114	A ✓	154	C ✓	194	B ✓
35	B ✓	75	C ✓	115	B ✓	155	C ✓	195	A ✓
36	C ✓	76	A ✓	116	B ✓	156	C ✓	196	C ✓
37	B ✓	77	C ✓	117	A/B ✓	157	B ✓	197	C ✓
38	C ✓	78	C ✓	118	D ✓	158	B ✓	198	A ✓
39	B ✓	79	C ✓	119	B ✓	159	A ✓	199	D ✓
40	D ✓	80	B ✓	120	C ✓	160	D ✓	200	C ✓

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Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE : 27.07.14 FN & AN ✓

Subject: Civil Engineering ✓

Code: CVE08 ✓

No. of Questions: 200

Series-D ✓

Mark: 300

1	C ✓	41	C ✓	81	B ✓	121	D ✓	161	A/B ✓
2	D ✓	42	C ✓	82	D ✓	122	B ✓	162	D ✓
3	A/C ✓	43	A ✓	83	A ✓	123	C ✓	163	B ✓
4	B ✓	44	B ✓	84	C ✓	124	C ✓	164	C ✓
5	C ✓	45	B ✓	85	C ✓	125	B ✓	165	A ✓
6	C ✓	46	B ✓	86	C ✓	126	B ✓	166	C ✓
7	A ✓	47	B ✓	87	A ✓	127	B ✓	167	C ✓
8	A ✓	48	C ✓	88	D ✓	128	B ✓	168	A ✓
9	C ✓	49	B ✓	89	D ✓	129	A ✓	169	C ✓
10	B ✓	50	C ✓	90	C ✓	130	C ✓	170	D ✓
11	D ✓	51	C ✓	91	D ✓	131	B ✓	171	B ✓
12	D ✓	52	D ✓	92	D ✓	132	A ✓	172	B ✓
13	A ✓	53	A ✓	93	D ✓	133	D ✓	173	C ✓
14	B ✓	54	D ✓	94	B ✓	134	B ✓	174	D ✓
15	D ✓	55	A ✓	95	B ✓	135	D ✓	175	D ✓
16	A ✓	56	D ✓	96	A ✓	136	C ✓	176	A ✓
17	D ✓	57	A ✓	97	C ✓	137	A ✓	177	D ✓
18	B ✓	58	B ✓	98	C ✓	138	C ✓	178	A ✓
19	C ✓	59	B ✓	99	A ✓	139	C ✓	179	B ✓
20	B ✓	60	D ✓	100	D ✓	140	C ✓	180	D ✓
21	C ✓	61	A/B ✓	101	C ✓	141	B ✓	181	A ✓
22	B ✓	62	C ✓	102	D ✓	142	A ✓	182	B ✓
23	D ✓	63	C ✓	103	A ✓	143	C ✓	183	B ✓
24	B ✓	64	A ✓	104	A ✓	144	C ✓	184	A ✓
25	D ✓	65	B ✓	105	A ✓	145	D ✓	185	D ✓
26	A ✓	66	D ✓	106	C ✓	146	B ✓	186	B ✓
27	D ✓	67	D ✓	107	D ✓	147	D ✓	187	C ✓
28	C ✓	68	A ✓	108	B ✓	148	C ✓	188	C ✓
29	D ✓	69	B ✓	109	C ✓	149	A ✓	189	D ✓
30	C ✓	70	A ✓	110	C ✓	150	C ✓	190	B ✓
31	A ✓	71	D ✓	111	A ✓	151	C ✓	191	B ✓
32	C ✓	72	D ✓	112	D ✓	152	C ✓	192	D ✓
33	A ✓	73	C ✓	113	D ✓	153	A ✓	193	C ✓
34	A ✓	74	C ✓	114	B ✓	154	D ✓	194	D ✓
35	C ✓	75	C ✓	115	C ✓	155	D ✓	195	A ✓
36	C ✓	76	B ✓	116	D ✓	156	B ✓	196	C/D ✓
37	C ✓	77	A ✓	117	A ✓	157	C ✓	197	D ✓
38	B ✓	78	B ✓	118	D ✓	158	B ✓	198	B ✓
39	D ✓	79	B ✓	119	C ✓	159	B ✓	199	D ✓
40	B ✓	80	C ✓	120	B ✓	160	B ✓	200	C ✓

* U - ALL ; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE:27.07.14 FN & AN

Subject: Mechanical and Production Engineering

Code: MPE08

No. of Questions: 200

Series-A

Mark: 300

1	D	41	D	81	B	121	A	161	C
2	D	42	C	82	B	122	C	162	C
3	D	43	D	83	B	123	C	163	C
4	U	44	A	84	B	124	B	164	A
5	A	45	D	85	C	125	D	165	B
6	D	46	D	86	B	126	A	166	A
7	D	47	C	87	D	127	D	167	A
8	B	48	A	88	B	128	B	168	B
9	C	49	B	89	A	129	C	169	C
10	D	50	A	90	A	130	B	170	C
11	B	51	B	91	U	131	A	171	B
12	B	52	B	92	C	132	C	172	B
13	A	53	C	93	C	133	D	173	A
14	D	54	B	94	B	134	C	174	A
15	C	55	A	95	D	135	A	175	D
16	A	56	B	96	C	136	B	176	B
17	C	57	A	97	B	137	B	177	C
18	D	58	A	98	A	138	D	178	D
19	B	59	B	99	C	139	A	179	C
20	A	60	C	100	C	140	C	180	B
21	A	61	B	101	A	141	A	181	B
22	A	62	A	102	C	142	C	182	C
23	B	63	C	103	B	143	D	183	C
24	B	64	A	104	C	144	D	184	B
25	B	65	C	105	D	145	D	185	C
26	A	66	B	106	B	146	C	186	C
27	A	67	B	107	C	147	C	187	C
28	B	68	B	108	A	148	A	188	C
29	B	69	D	109	B	149	C	189	A
30	B	70	B	110	C	150	B	190	C
31	B	71	C	111	A	151	B	191	A
32	B	72	C	112	B	152	B	192	B
33	C	73	C	113	B	153	C	193	C
34	D	74	B	114	C	154	C	194	B
35	C	75	D	115	B	155	D	195	A
36	D	76	B	116	C	156	A	196	A
37	C	77	D	117	A	157	D	197	C
38	C	78	D	118	B	158	C	198	A
39	B	79	D	119	B	159	A	199	C
40	B	80	B	120	B	160	C	200	C

* U - ALL; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE :27.07.14 FN & AN

Subject: Mechanical and Production Engineering

Code: MPE08

No. of Questions: 200

Series-B

Mark: 300

1	B	41	D	81	C	121	D	161	A
2	C	42	B	82	C	122	C	162	A
3	D	43	A	83	C	123	D	163	B
4	B	44	A	84	C	124	D	164	B
5	B	45	C	85	B	125	D	165	B
6	A	46	B	86	B	126	C	166	A
7	D	47	A	87	A	127	A	167	C
8	C	48	C	88	A	128	B	168	A
9	A	49	C	89	D	129	A	169	C
10	B	50	A	90	B	130	B	170	D
11	B	51	B	91	C	131	B	171	C
12	B	52	C	92	C	132	C	172	A
13	A	53	A	93	B	133	B	173	B
14	A	54	B	94	C	134	A	174	B
15	B	55	B	95	C	135	C	175	C
16	B	56	C	96	C	136	A	176	A
17	C	57	B	97	C	137	C	177	C
18	C	58	C	98	A	138	B	178	B
19	B	59	C	99	A	139	B	179	B
20	B	60	B	100	C	140	B	180	B
21	D	61	D	101	A	141	D	181	C
22	C	62	A	102	C	142	D	182	C
23	D	63	D	103	C	143	D	183	C
24	A	64	B	104	D	144	D	184	A
25	B	65	C	105	D	145	B	185	B
26	A	66	B	106	D	146	B	186	A
27	B	67	D	107	U	147	B	187	A
28	A	68	A	108	A	148	B	188	B
29	A	69	C	109	D	149	B	189	C
30	B	70	A	110	D	150	U	190	C
31	C	71	C	111	A	151	C	191	D
32	B	72	D	112	C	152	C	192	C
33	C	73	D	113	D	153	B	193	B
34	C	74	D	114	B	154	D	194	B
35	C	75	C	115	A	155	C	195	A
36	B	76	D	116	A	156	B	196	C
37	D	77	A	117	B	157	C	197	A
38	B	78	D	118	B	158	D	198	B
39	C	79	C	119	B	159	B	199	C
40	B	80	A	120	C	160	C	200	B

* U - ALL; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE:27.07.14 FN & AN

Subject: Mechanical and Production Engineering

Code: MPE08

No. of Questions: 200

Series-C

Mark: 300

1	A	41	B	81	A	121	C	161	B
2	B	42	A	82	A	122	B	162	B
3	B	43	A	83	C	123	D	163	B
4	B	44	D	84	D	124	B	164	C
5	A	45	B	85	C	125	C	165	D
6	A	46	A	86	A	126	B	166	C
7	B	47	A	87	B	127	A	167	D
8	B	48	C	88	B	128	C	168	B
9	B	49	A	89	C	129	C	169	A
10	A	50	C	90	A	130	A	170	C
11	B	51	C	91	B	131	C	171	A
12	A	52	A	92	A	132	B	172	C
13	A	53	C	93	A	133	D	173	B
14	B	54	D	94	B	134	A	174	B
15	C	55	B	95	C	135	D	175	B
16	C	56	A	96	A	136	B	176	D
17	B	57	A	97	C	137	C	177	U
18	D	58	D	98	A	138	B	178	C
19	B	59	D	99	B	139	D	179	C
20	A	60	C	100	C	140	A	180	B
21	A	61	A	101	B	141	D	181	D
22	B	62	B	102	B	142	C	182	A
23	C	63	A	103	C	143	A	183	B
24	A	64	B	104	D	144	C	184	B
25	B	65	B	105	B	145	C	185	B
26	B	66	C	106	B	146	C	186	A
27	C	67	D	107	A	147	C	187	C
28	B	68	D	108	D	148	C	188	C
29	C	69	D	109	C	149	B	189	A
30	D	70	B	110	C	150	C	190	C
31	A	71	B	111	C	151	C	191	B
32	C	72	B	112	B	152	C	192	B
33	A	73	B	113	B	153	C	193	B
34	C	74	B	114	D	154	D	194	C
35	D	75	C	115	C	155	D	195	C
36	D	76	B	116	D	156	D	196	C
37	D	77	C	117	A	157	U	197	D
38	C	78	D	118	B	158	A	198	C
39	C	79	B	119	C	159	D	199	B
40	B	80	C	120	C	160	D	200	B

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Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE :27.07.14 FN & AN

Subject: Mechanical and Production Engineering

Code: MPE08

No. of Questions: 200

Series-D

Mark: 300

1	B	41	A	81	C	121	C	161	C
2	A	42	B	82	A	122	A	162	C
3	B	43	B	83	C	123	A	163	B
4	A	44	A	84	B	124	C	164	D
5	A	45	C	85	B	125	A	165	B
6	B	46	A	86	B	126	C	166	C
7	C	47	B	87	D	127	C	167	B
8	B	48	C	88	A	128	D	168	D
9	C	49	B	89	B	129	D	169	A
10	A	50	C	90	B	130	C	170	D
11	B	51	C	91	B	131	A	171	B
12	B	52	B	92	A	132	B	172	C
13	C	53	B	93	C	133	A	173	B
14	B	54	D	94	C	134	B	174	C
15	C	55	C	95	D	135	B	175	C
16	C	56	D	96	C	136	C	176	B
17	B	57	A	97	B	137	C	177	C
18	B	58	C	98	B	138	B	178	C
19	A	59	B	99	A	139	C	179	C
20	A	60	A	100	B	140	D	180	C
21	D	61	C	101	B	141	B	181	B
22	B	62	C	102	B	142	C	182	B
23	A	63	A	103	A	143	A	183	B
24	C	64	D	104	A	144	C	184	C
25	D	65	A	105	B	145	A	185	D
26	B	66	D	106	B	146	B	186	C
27	A	67	C	107	C	147	A	187	D
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29	D	69	C	109	D	149	B	189	C
30	D	70	C	110	B	150	C	190	C
31	D	71	C	111	A	151	B	191	B
32	B	72	D	112	A	152	C	192	D
33	B	73	D	113	D	153	D	193	C
34	B	74	D	114	A	154	B	194	A
35	B	75	U	115	C	155	B	195	C
36	B	76	A	116	A	156	A	196	B
37	A	77	D	117	C	157	D	197	B
38	C	78	D	118	D	158	C	198	B
39	D	79	B	119	D	159	B	199	C
40	C	80	A	120	D	160	C	200	C

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Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE :27.07.14 FN & AN ✓

Subject: Electrical and Instrumentation Engineering ✓

Code: EIE08 ✓

No. of Questions: 200

Series-A ✓

Mark: 300

1	C ✓	41	C ✓	81	B ✓	121	C ✓	161	B ✓
2	A ✓	42	B ✓	82	U ✓	122	C ✓	162	B ✓
3	D ✓	43	D ✓	83	U ✓	123	B ✓	163	B ✓
4	C ✓	44	C ✓	84	B ✓	124	B ✓	164	C ✓
5	A ✓	45	A ✓	85	B ✓	125	C ✓	165	D ✓
6	D ✓	46	B ✓	86	D ✓	126	D ✓	166	C ✓
7	A ✓	47	B ✓	87	C ✓	127	A ✓	167	B ✓
8	B ✓	48	A ✓	88	A ✓	128	D ✓	168	D ✓
9	D ✓	49	B ✓	89	C ✓	129	A ✓	169	C ✓
10	C ✓	50	B ✓	90	D ✓	130	B ✓	170	D ✓
11	C ✓	51	B ✓	91	B ✓	131	B ✓	171	A ✓
12	C ✓	52	B ✓	92	C ✓	132	C ✓	172	C ✓
13	B ✓	53	A ✓	93	D ✓	133	U ✓	173	B ✓
14	B ✓	54	A ✓	94	B ✓	134	B ✓	174	C ✓
15	C ✓	55	D ✓	95	B ✓	135	U ✓	175	A ✓
16	B ✓	56	B ✓	96	D ✓	136	C ✓	176	C ✓
17	D ✓	57	B ✓	97	A ✓	137	A ✓	177	C ✓
18	D ✓	58	A ✓	98	B ✓	138	D ✓	178	B ✓
19	A ✓	59	U ✓	99	A ✓	139	A ✓	179	B ✓
20	A ✓	60	B ✓	100	A ✓	140	B ✓	180	D ✓
21	A ✓	61	B ✓	101	D ✓	141	U ✓	181	A ✓
22	B ✓	62	B ✓	102	C ✓	142	C ✓	182	D ✓
23	B ✓	63	C ✓	103	D ✓	143	B ✓	183	C ✓
24	A ✓	64	C ✓	104	D ✓	144	D ✓	184	A ✓
25	C ✓	65	B ✓	105	B ✓	145	B ✓	185	B ✓
26	C ✓	66	D ✓	106	B ✓	146	C ✓	186	C ✓
27	A ✓	67	B ✓	107	B ✓	147	D ✓	187	D ✓
28	A ✓	68	B ✓	108	C ✓	148	C ✓	188	C ✓
29	C ✓	69	B ✓	109	A ✓	149	A ✓	189	A ✓
30	D ✓	70	C ✓	110	B ✓	150	B ✓	190	A ✓
31	C ✓	71	B ✓	111	A ✓	151	C ✓	191	B ✓
32	A ✓	72	B ✓	112	D ✓	152	B ✓	192	B ✓
33	C ✓	73	B ✓	113	C ✓	153	U ✓	193	U ✓
34	D ✓	74	B ✓	114	C ✓	154	U ✓	194	C ✓
35	C ✓	75	B ✓	115	C ✓	155	A ✓	195	B ✓
36	D ✓	76	A ✓	116	B ✓	156	B ✓	196	U ✓
37	C ✓	77	B ✓	117	B ✓	157	A ✓	197	D ✓
38	B ✓	78	B ✓	118	A ✓	158	A ✓	198	B ✓
39	B ✓	79	D ✓	119	B ✓	159	A ✓	199	A ✓
40	C ✓	80	A ✓	120	B ✓	160	D ✓	200	B ✓

* U - ALL ; \$ - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE : 27.07.14 FN & AN ✓

Subject: Electrical and Instrumentation Engineering ✓

Code: EIE08 ✓

No. of Questions: 200

Series-B ✓

Mark: 300

1	A ✓	41	B ✓	81	B ✓	121	C ✓	161	B ✓
2	D ✓	42	B ✓	82	B ✓	122	D ✓	162	A ✓
3	A ✓	43	C ✓	83	B ✓	123	C ✓	163	D ✓
4	B ✓	44	D ✓	84	C ✓	124	B ✓	164	C ✓
5	D ✓	45	B ✓	85	D ✓	125	B ✓	165	C ✓
6	C ✓	46	B ✓	86	C ✓	126	C ✓	166	B ✓
7	C ✓	47	D ✓	87	B ✓	127	C ✓	167	B ✓
8	A ✓	48	A ✓	88	A ✓	128	A ✓	168	C ✓
9	A ✓	49	B ✓	89	C ✓	129	B ✓	169	D ✓
10	A ✓	50	D ✓	90	C ✓	130	B ✓	170	A ✓
11	B ✓	51	D ✓	91	B ✓	131	B ✓	171	D ✓
12	B ✓	52	B ✓	92	B ✓	132	B ✓	172	D ✓
13	A ✓	53	B ✓	93	D ✓	133	A ✓	173	A ✓
14	C ✓	54	C ✓	94	A ✓	134	A ✓	174	B ✓
15	C ✓	55	C ✓	95	D ✓	135	B ✓	175	U ✓
16	C ✓	56	C ✓	96	C ✓	136	C ✓	176	B ✓
17	A ✓	57	B ✓	97	A ✓	137	C ✓	177	C ✓
18	C ✓	58	B ✓	98	C ✓	138	B ✓	178	B ✓
19	B ✓	59	A ✓	99	B ✓	139	D ✓	179	U ✓
20	D ✓	60	B ✓	100	U ✓	140	B ✓	180	U ✓
21	C ✓	61	B ✓	101	D ✓	141	B ✓	181	A ✓
22	A ✓	62	A ✓	102	B ✓	142	B ✓	182	B ✓
23	B ✓	63	B ✓	103	A ✓	143	C ✓	183	A ✓
24	B ✓	64	B ✓	104	B ✓	144	B ✓	184	A ✓
25	D ✓	65	C ✓	105	C ✓	145	U ✓	185	D ✓
26	B ✓	66	U ✓	106	A ✓	146	U ✓	186	C ✓
27	B ✓	67	B ✓	107	D ✓	147	B ✓	187	D ✓
28	A ✓	68	U ✓	108	C ✓	148	B ✓	188	A ✓
29	U ✓	69	C ✓	109	C ✓	149	D ✓	189	C ✓
30	B ✓	70	A ✓	110	B ✓	150	C ✓	190	B ✓
31	B ✓	71	C ✓	111	B ✓	151	A ✓	191	C ✓
32	B ✓	72	B ✓	112	C ✓	152	C ✓	192	B ✓
33	B ✓	73	D ✓	113	B ✓	153	D ✓	193	C ✓
34	B ✓	74	B ✓	114	D ✓	154	A ✓	194	D ✓
35	B ✓	75	C ✓	115	D ✓	155	A ✓	195	C ✓
36	A ✓	76	D ✓	116	A ✓	156	D ✓	196	A ✓
37	B ✓	77	C ✓	117	A ✓	157	C ✓	197	A ✓
38	B ✓	78	A ✓	118	C ✓	158	B ✓	198	B ✓
39	D ✓	79	A ✓	119	D ✓	159	C ✓	199	B ✓
40	A ✓	80	D ✓	120	D ✓	160	A ✓	200	U ✓

* U - ALL : S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE :27.07.14 FN & AN ✓

Subject: Electrical and Instrumentation Engineering ✓

Code: EIE08 ✓

No. of Questions: 200

Series-C ✓

Mark: 300

1	A ✓	41	B ✓	81	D ✓	121	B ✓	161	A ✓
2	A ✓	42	B ✓	82	C ✓	122	A ✓	162	D ✓
3	A ✓	43	C ✓	83	C ✓	123	U ✓	163	C ✓
4	B ✓	44	D ✓	84	C ✓	124	B ✓	164	A ✓
5	B ✓	45	C ✓	85	B ✓	125	B ✓	165	A ✓
6	A ✓	46	B ✓	86	B ✓	126	B ✓	166	C ✓
7	C ✓	47	C ✓	87	C ✓	127	C ✓	167	D ✓
8	C ✓	48	B ✓	88	D ✓	128	D ✓	168	A ✓
9	B ✓	49	U ✓	89	A ✓	129	B ✓	169	B ✓
10	D ✓	50	D ✓	90	D ✓	130	B ✓	170	B ✓
11	C ✓	51	B ✓	91	B ✓	131	D ✓	171	B ✓
12	A ✓	52	A ✓	92	C ✓	132	A ✓	172	B ✓
13	B ✓	53	B ✓	93	B ✓	133	B ✓	173	A ✓
14	B ✓	54	C ✓	94	U ✓	134	C ✓	174	A ✓
15	B ✓	55	B ✓	95	U ✓	135	C ✓	175	U ✓
16	B ✓	56	B ✓	96	A ✓	136	C ✓	176	U ✓
17	B ✓	57	C ✓	97	B ✓	137	B ✓	177	B ✓
18	B ✓	58	B ✓	98	A ✓	138	B ✓	178	B ✓
19	A ✓	59	D ✓	99	A ✓	139	A ✓	179	D ✓
20	B ✓	60	D ✓	100	B ✓	140	B ✓	180	C ✓
21	B ✓	61	D ✓	101	C ✓	141	B ✓	181	A ✓
22	D ✓	62	C ✓	102	D ✓	142	C ✓	182	C ✓
23	A ✓	63	D ✓	103	C ✓	143	B ✓	183	D ✓
24	B ✓	64	C ✓	104	A ✓	144	D ✓	184	B ✓
25	D ✓	65	B ✓	105	A ✓	145	B ✓	185	C ✓
26	D ✓	66	B ✓	106	B ✓	146	C ✓	186	A ✓
27	B ✓	67	C ✓	107	B ✓	147	D ✓	187	B ✓
28	B ✓	68	C ✓	108	U ✓	148	C ✓	188	A ✓
29	A ✓	69	B ✓	109	A ✓	149	A ✓	189	D ✓
30	B ✓	70	C ✓	110	D ✓	150	A ✓	190	D ✓
31	B ✓	71	C ✓	111	A ✓	151	C ✓	191	A ✓
32	C ✓	72	B ✓	112	B ✓	152	C ✓	192	B ✓
33	U ✓	73	D ✓	113	D ✓	153	B ✓	193	U ✓
34	B ✓	74	B ✓	114	C ✓	154	B ✓	194	D ✓
35	U ✓	75	B ✓	115	C ✓	155	D ✓	195	C ✓
36	C ✓	76	B ✓	116	C ✓	156	A ✓	196	D ✓
37	A ✓	77	C ✓	117	A ✓	157	D ✓	197	A ✓
38	A ✓	78	B ✓	118	C ✓	158	C ✓	198	C ✓
39	D ✓	79	A ✓	119	D ✓	159	A ✓	199	B ✓
40	B ✓	80	A ✓	120	B ✓	160	C ✓	200	C ✓

* U - ALL ; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE :27.07.14 FN & AN

Subject: Electrical and Instrumentation Engineering

Code: EIE08

No. of Questions: 200

Series-D

Mark: 300

1	B	41	C	81	B	121	U	161	B
2	D	42	D	82	A	122	C	162	A
3	C	43	A	83	A	123	A	163	U
4	A	44	D	84	B	124	C	164	B
5	B	45	B	85	C	125	B	165	B
6	B	46	C	86	A	126	U	166	C
7	D	47	D	87	B	127	D	167	C
8	D	48	C	88	A	128	B	168	C
9	B	49	A	89	D	129	A	169	B
10	B	50	A	90	D	130	B	170	B
11	A	51	B	91	C	131	D	171	A
12	D	52	B	92	D	132	C	172	B
13	B	53	U	93	A	133	D	173	B
14	B	54	C	94	C	134	C	174	A
15	B	55	A	95	B	135	B	175	C
16	C	56	C	96	C	136	B	176	C
17	D	57	B	97	A	137	C	177	B
18	C	58	C	98	A	138	C	178	B
19	B	59	D	99	A	139	A	179	D
20	C	60	B	100	B	140	A	180	A
21	B	61	B	101	B	141	D	181	D
22	B	62	D	102	A	142	C	182	C
23	C	63	A	103	C	143	B	183	A
24	B	64	B	104	C	144	C	184	A
25	D	65	C	105	B	145	B	185	A
26	D	66	B	106	B	146	U	186	C
27	B	67	D	107	B	147	U	187	D
28	C	68	B	108	B	148	A	188	U
29	C	69	C	109	A	149	B	189	U
30	B	70	D	110	B	150	A	190	B
31	D	71	C	111	B	151	A	191	B
32	B	72	A	112	D	152	A	192	D
33	B	73	C	113	A	153	D	193	C
34	B	74	A	114	B	154	A	194	A
35	C	75	D	115	A	155	B	195	C
36	B	76	C	116	B	156	D	196	D
37	C	77	A	117	B	157	C	197	D
38	C	78	B	118	C	158	C	198	A
39	B	79	B	119	U	159	D	199	B
40	B	80	B	120	B	160	B	200	U

* U - ALL; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE :27.07.14 FN & AN

Subject: Textile Engineering

Code: TXE08

No. of Questions: 200

Series-A

Mark: 300

1	D	41	A	81	B	121	C	161	C
2	C	42	A	82	C	122	B	162	B
3	D	43	D	83	C	123	B	163	A
4	A	44	A	84	A	124	B	164	A
5	D	45	B	85	B	125	A	165	C
6	B	46	C	86	C	126	B	166	A
7	D	47	A	87	B	127	A	167	B
8	C	48	D	88	C	128	A	168	D
9	B	49	A	89	C	129	B	169	A
10	A	50	C	90	D	130	C	170	C
11	C	51	B	91	A	131	A	171	C
12	B	52	A	92	D	132	D	172	B
13	C	53	A	93	C	133	B	173	C
14	B	54	C	94	A	134	D	174	B
15	B	55	C	95	C	135	B	175	A
16	D	56	D	96	C	136	B	176	C
17	C	57	A	97	B	137	A	177	C
18	B	58	D	98	C	138	D	178	B
19	A	59	A	99	A	139	D	179	D
20	D	60	A	100	A	140	C	180	C
21	C	61	A	101	B	141	C	181	A
22	B	62	A	102	A	142	B	182	C
23	C	63	D	103	C	143	D	183	C
24	B	64	D	104	C	144	C	184	D
25	C	65	A	105	B	145	B	185	C
26	C	66	C	106	C	146	D	186	B
27	D	67	A	107	C	147	A	187	A
28	C	68	A	108	A	148	A	188	D
29	D	69	B	109	A	149	A	189	A
30	A	70	B	110	A	150	A	190	C
31	A	71	C	111	C	151	C	191	C
32	B	72	A	112	B	152	A	192	B
33	D	73	A	113	A	153	B	193	C
34	A	74	D	114	C	154	A	194	C
35	D	75	A	115	B	155	B	195	C
36	C	76	B	116	A	156	A	196	A
37	B	77	B	117	A	157	D	197	D
38	B	78	D	118	C	158	B	198	B
39	D	79	B	119	C	159	C	199	C
40	B	80	B	120	B	160	B	200	B

* U - ALL; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE :27.07.14 FN & AN

Subject: Textile Engineering

Code: TXE08

No. of Questions: 200

Series-B

Mark: 300

1	C	41	B	81	B	121	A	161	A
2	B	42	C	82	C	122	D	162	A
3	A	43	C	83	B	123	C	163	C
4	C	44	D	84	C	124	B	164	C
5	B	45	C	85	C	125	C	165	B
6	C	46	B	86	B	126	A	166	C
7	B	47	C	87	C	127	D	167	B
8	B	48	A	88	B	128	A	168	A
9	B	49	A	89	A	129	C	169	D
10	C	50	B	90	C	130	B	170	B
11	B	51	A	91	C	131	A	171	D
12	C	52	A	92	C	132	A	172	B
13	C	53	C	93	D	133	A	173	B
14	D	54	B	94	C	134	A	174	A
15	C	55	A	95	B	135	D	175	A
16	D	56	C	96	A	136	D	176	A
17	B	57	B	97	D	137	A	177	A
18	B	58	A	98	C	138	C	178	A
19	D	59	B	99	A	139	A	179	C
20	B	60	B	100	D	140	A	180	A
21	A	61	A	101	B	141	B	181	B
22	A	62	B	102	C	142	B	182	A
23	D	63	A	103	B	143	D	183	A
24	A	64	A	104	D	144	B	184	A
25	C	65	B	105	C	145	B	185	C
26	C	66	C	106	D	146	B	186	A
27	D	67	D	107	A	147	C	187	B
28	A	68	D	108	D	148	C	188	D
29	D	69	C	109	B	149	A	189	A
30	A	70	C	110	D	150	A	190	C
31	A	71	B	111	D	151	D	191	B
32	B	72	D	112	C	152	C	192	D
33	C	73	C	113	B	153	A	193	C
34	A	74	B	114	A	154	C	194	A
35	A	75	D	115	D	155	A	195	A
36	D	76	B	116	C	156	C	196	C
37	A	77	A	117	A	157	C	197	C
38	B	78	D	118	A	158	B	198	B
39	B	79	B	119	B	159	C	199	C
40	C	80	C	120	D	160	C	200	C

* U - ALL; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE :27.07.14 FN & AN

Subject: Textile Engineering

Code: TXE08

No. of Questions: 200

Series-C

Mark: 300

1	B	41	B	81	A	121	A	161	A
2	C	42	C	82	A	122	D	162	A
3	B	43	B	83	D	123	A	163	B
4	C	44	A	84	B	124	B	164	D
5	C	45	C	85	D	125	C	165	A
6	D	46	C	86	B	126	B	166	D
7	C	47	A	87	B	127	C	167	C
8	D	48	D	88	A	128	A	168	A
9	C	49	B	89	A	129	A	169	A
10	C	50	C	90	A	130	B	170	D
11	D	51	B	91	C	131	B	171	D
12	A	52	D	92	A	132	B	172	A
13	D	53	C	93	B	133	A	173	C
14	A	54	B	94	D	134	B	174	A
15	A	55	A	95	A	135	A	175	A
16	B	56	D	96	A	136	A	176	B
17	C	57	C	97	C	137	B	177	A
18	B	58	B	98	C	138	C	178	D
19	C	59	C	99	B	139	B	179	C
20	C	60	A	100	C	140	A	180	A
21	D	61	D	101	C	141	D	181	C
22	A	62	A	102	C	142	B	182	A
23	A	63	C	103	B	143	C	183	C
24	C	64	B	104	A	144	B	184	C
25	B	65	A	105	C	145	C	185	B
26	A	66	A	106	B	146	B	186	C
27	C	67	B	107	C	147	C	187	B
28	B	68	D	108	B	148	C	188	A
29	A	69	B	109	B	149	D	189	A
30	D	70	B	110	B	150	C	190	A
31	D	71	B	111	B	151	B	191	A
32	C	72	C	112	D	152	A	192	C
33	C	73	C	113	B	153	D	193	A
34	B	74	A	114	A	154	D	194	B
35	D	75	A	115	A	155	C	195	A
36	C	76	C	116	D	156	D	196	C
37	B	77	C	117	A	157	A	197	B
38	D	78	B	118	B	158	D	198	D
39	C	79	C	119	C	159	B	199	C
40	C	80	C	120	A	160	D	200	A

* 0 - ALL; 5 - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE: 27.07.14 FN & AN

Subject: Textile Engineering

Code: TXE08

No. of Questions: 200

Series-D

Mark: 300

1	C	41	B	81	D	121	D	161	A
2	C	42	B	82	D	122	C	162	A
3	D	43	A	83	A	123	A	163	D
4	A	44	A	84	C	124	D	164	A
5	D	45	C	85	A	125	B	165	B
6	A	46	C	86	A	126	C	166	B
7	A	47	B	87	B	127	B	167	B
8	A	48	C	88	A	128	B	168	A
9	A	49	C	89	C	129	C	169	B
10	C	50	B	90	C	130	A	170	A
11	B	51	B	91	B	131	D	171	A
12	A	52	D	92	C	132	A	172	B
13	C	53	B	93	B	133	C	173	C
14	B	54	A	94	C	134	B	174	C
15	A	55	A	95	B	135	A	175	C
16	C	56	D	96	D	136	A	176	D
17	C	57	A	97	C	137	A	177	C
18	B	58	C	98	A	138	C	178	B
19	C	59	B	99	B	139	C	179	A
20	B	60	C	100	C	140	B	180	D
21	A	61	A	101	B	141	C	181	A
22	C	62	A	102	C	142	C	182	A
23	D	63	B	103	C	143	A	183	B
24	C	64	B	104	D	144	A	184	D
25	B	65	A	105	C	145	A	185	A
26	A	66	D	106	D	146	C	186	D
27	D	67	B	107	B	147	A	187	C
28	C	68	C	108	C	148	B	188	A
29	B	69	B	109	B	149	D	189	D
30	D	70	C	110	C	150	A	190	C
31	B	71	B	111	C	151	C	191	A
32	B	72	D	112	D	152	B	192	C
33	B	73	C	113	D	153	A	193	A
34	C	74	D	114	D	154	C	194	A
35	C	75	A	115	C	155	B	195	A
36	A	76	D	116	C	156	C	196	A
37	A	77	B	117	B	157	B	197	C
38	D	78	D	118	D	158	B	198	A
39	B	79	A	119	C	159	B	199	B
40	D	80	A	120	B	160	C	200	A

* U - ALL; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE : 27.07.14 FN & AN

Subject: Electronics and Communication Engineering

Code: ECE08

No. of Questions: 200

Series-A

Mark: 300

1	B	41	A	81	A	121	A	161	A
2	B	42	D	82	B	122	A	162	A
3	B	43	A	83	C	123	C	163	D
4	B	44	D	84	D	124	B	164	D
5	A	45	C	85	B	125	C	165	D
6	A	46	D	86	C	126	B	166	D
7	D	47	B	87	D	127	A	167	A
8	C	48	A	88	C	128	C	168	C
9	D	49	D	89	A	129	C	169	B
10	U	50	A	90	C	130	C	170	B
11	D	51	A	91	C	131	A	171	D
12	A	52	A	92	A	132	A	172	A
13	B	53	U	93	B	133	A	173	B/C/D
14	A	54	C	94	B	134	D	174	C
15	A	55	C	95	A/D	135	D	175	C
16	B	56	B	96	C	136	C	176	A
17	D	57	B	97	A	137	A	177	B
18	B	58	B	98	C	138	C	178	A
19	A	59	B	99	A	139	C	179	A
20	A	60	B	100	D	140	B	180	C
21	C	61	A	101	B	141	B	181	D
22	C	62	B	102	B	142	B	182	A
23	C	63	A	103	B	143	D	183	B
24	A	64	D	104	A	144	C	184	D
25	C	65	A	105	D	145	B	185	C
26	C	66	D	106	C	146	A	186	A
27	B	67	C	107	B	147	B	187	C
28	B	68	B	108	B	148	A	188	B
29	B	69	D	109	B	149	A	189	C
30	A	70	B	110	C	150	B	190	D
31	B	71	D	111	C	151	A	191	D
32	U	72	C	112	D	152	B	192	C
33	C	73	B	113	B	153	A	193	A
34	C	74	A	114	A	154	B	194	B
35	A	75	A	115	D	155	B	195	B
36	B	76	B	116	D	156	C	196	D
37	B	77	B	117	D	157	D	197	D
38	D	78	D	118	C	158	D	198	A
39	C	79	C	119	A	159	D	199	C
40	B	80	D	120	A	160	D	200	A

* U - ALL ; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE :27.07.14 FN & AN

Subject: Electronics and Communication Engineering

Code: ECE08

No. of Questions: 200

Series-B

Mark: 300

1	D	41	A	81	D	121	C	161	C
2	U	42	B	82	A	122	B	162	C
3	D	43	C	83	C	123	B	163	C
4	A	44	C	84	B	124	B	164	A
5	B	45	A	85	C	125	B	165	A
6	A	46	C	86	D	126	B	166	C
7	A	47	C	87	A	127	A	167	C
8	B	48	D	88	B	128	B	168	B
9	D	49	B	89	A	129	A	169	B
10	B	50	B	90	C	130	D	170	B
11	C	51	B	91	B	131	A	171	D
12	B	52	A	92	B	132	B	172	C
13	B	53	D	93	D	133	B	173	B
14	B	54	C	94	D	134	D	174	B
15	A	55	D	95	A	135	C	175	C
16	B	56	D	96	C	136	D	176	D
17	U	57	D	97	A	137	A	177	D
18	C	58	C	98	B	138	D	178	D
19	C	59	A	99	B	139	B	179	D
20	A	60	A	100	B	140	C	180	A
21	B	61	A	101	B	141	D	181	A
22	B	62	A	102	A	142	A	182	D
23	C	63	C	103	A	143	B	183	B
24	D	64	B	104	D	144	B	184	D
25	B	65	A	105	C	145	A/D	185	A
26	A	66	D	106	A	146	C	186	B/C/D
27	D	67	D	107	A	147	A	187	C
28	A	68	C	108	C	148	C	188	C
29	A	69	A	109	C	149	A	189	A
30	A	70	B	110	C	150	B	190	B
31	U	71	A	111	A	151	B	191	A
32	A	72	B	112	C	152	B	192	A
33	D	73	A	113	D	153	C	193	D
34	C	74	A	114	C	154	C	194	C
35	B	75	B	115	B	155	D	195	C
36	D	76	A	116	A	156	B	196	D
37	B	77	B	117	D	157	A	197	D
38	D	78	A	118	A	158	C	198	C
39	C	79	D	119	D	159	B	199	A
40	B	80	D	120	C	160	A	200	B

* U - ALL ; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE :27.07.14 FN & AN

Subject: Electronics and Communication Engineering

Code: ECE08

No. of Questions: 200

Series-C

Mark: 300

1	C	41	A	81	C	121	B	161	B
2	B	42	B	82	C	122	A	162	A
3	B	43	A	83	D	123	D	163	D
4	B	44	B	84	B	124	A	164	A
5	A	45	A	85	A	125	A	165	D
6	B	46	C	86	C	126	A	166	A
7	U	47	D	87	C	127	U	167	B
8	C	48	A	88	B	128	B	168	B
9	C	49	B	89	B	129	C	169	D
10	A	50	B	90	B	130	D	170	C
11	B	51	D	91	D	131	B	171	D
12	B	52	D	92	C	132	B	172	A
13	A	53	A	93	B	133	B	173	A
14	D	54	C	94	D	134	A	174	B
15	C	55	A	95	A	135	D	175	B
16	B	56	A	96	B/C/D	136	C	176	A/D
17	D	57	A	97	C	137	A	177	C
18	B	58	C	98	C	138	D	178	A
19	D	59	C	99	A	139	D	179	C
20	C	60	C	100	B	140	C	180	A
21	B	61	A	101	A	141	A	181	C
22	A	62	C	102	A	142	D	182	B
23	C	63	C	103	C	143	D	183	A
24	A	64	C	104	D	144	D	184	C
25	C	65	B	105	D	145	A	185	C
26	C	66	B	106	C	146	C	186	C
27	D	67	B	107	A	147	B	187	A
28	D	68	B	108	B	148	A	188	A
29	D	69	B	109	D	149	C	189	B
30	C	70	A	110	U	150	B	190	B
31	A	71	B	111	D	151	B	191	C
32	A	72	A	112	A	152	B	192	D
33	A	73	D	113	B	153	B	193	D
34	A	74	D	114	A	154	B	194	D
35	C	75	B	115	A	155	A	195	D
36	B	76	C	116	B	156	A	196	A
37	B	77	D	117	D	157	D	197	A
38	A	78	B	118	B	158	C	198	D
39	B	79	B	119	C	159	D	199	D
40	A	80	B	120	D	160	C	200	C

* U - ALL; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE : 27.07.14 FN & AN

Subject: Electronics and Communication Engineering

Code: ECE08

No. of Questions: 200

Series-D

Mark: 300

1	A	41	D	81	B	121	B	161	A
2	D	42	C	82	D	122	D	162	A
3	C	43	C	83	C	123	D	163	B
4	B	44	D	84	D	124	A	164	D
5	D	45	D	85	A	125	C	165	B
6	B	46	C	86	C	126	A	166	B
7	D	47	A	87	B	127	C	167	C
8	C	48	B	88	A	128	C	168	A
9	B	49	C	89	C	129	B	169	D
10	A	50	D	90	C	130	B	170	D
11	D	51	B	91	C	131	B	171	C
12	D	52	A	92	A	132	B	172	A
13	D	53	D	93	A	133	B	173	A
14	C	54	A	94	D	134	A	174	C
15	A	55	A	95	C	135	B	175	B
16	A	56	A	96	C	136	A	176	D
17	A	57	U	97	B	137	D	177	C
18	A	58	D	98	B	138	B	178	B
19	C	59	B	99	B	139	B	179	A
20	B	60	B	100	A	140	B	180	D
21	C	61	B	101	B	141	C	181	A
22	D	62	A	102	U	142	C	182	D
23	A	63	D	103	C	143	D	183	A
24	B	64	C	104	C	144	B	184	B
25	A	65	D	105	A	145	A	185	B
26	A	66	D	106	B	146	B	186	A/D
27	C	67	D	107	B	147	D	187	C
28	C	68	A	108	C	148	A	188	A
29	C	69	C	109	A	149	B/C/D	189	C
30	A	70	B	110	C	150	C	190	A
31	C	71	B	111	C	151	C	191	B
32	D	72	B	112	B	152	A	192	B
33	B	73	B	113	A	153	B	193	C
34	C	74	B	114	B	154	A	194	D
35	D	75	A	115	A	155	A	195	D
36	C	76	A	116	A	156	D	196	D
37	C	77	D	117	B	157	U	197	D
38	B	78	C	118	A	158	D	198	A
39	B	79	A	119	B	159	A	199	A
40	B	80	B	120	A	160	B	200	D

* U - ALL; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE :27.07.14 FN & AN

Subject: Chemical Engineering ✓

Code: CHE08 ✓

No. of Questions: 200

Series-A ✓

Mark: 300

1	A ✓	41	D ✓	81	A ✓	121	D ✓	161	A ✓
2	A ✓	42	B ✓	82	A ✓	122	B ✓	162	C ✓
3	B ✓	43	B ✓	83	D ✓	123	A ✓	163	D ✓
4	B ✓	44	D ✓	84	D ✓	124	B ✓	164	A ✓
5	A ✓	45	B ✓	85	A ✓	125	A ✓	165	A ✓
6	D ✓	46	D ✓	86	C ✓	126	C ✓	166	D ✓
7	C ✓	47	D ✓	87	C ✓	127	C ✓	167	D ✓
8	B ✓	48	C ✓	88	C ✓	128	D ✓	168	B ✓
9	A ✓	49	B ✓	89	B ✓	129	C ✓	169	B ✓
10	C ✓	50	C ✓	90	C ✓	130	B ✓	170	B ✓
11	B ✓	51	A ✓	91	B ✓	131	B ✓	171	C ✓
12	A ✓	52	A ✓	92	C ✓	132	C ✓	172	D ✓
13	D ✓	53	D ✓	93	A ✓	133	B ✓	173	B ✓
14	C ✓	54	B ✓	94	D ✓	134	A ✓	174	B ✓
15	B ✓	55	B ✓	95	C ✓	135	A ✓	175	B ✓
16	B ✓	56	D ✓	96	C ✓	136	C ✓	176	B ✓
17	B ✓	57	B ✓	97	B ✓	137	A ✓	177	B ✓
18	A ✓	58	A ✓	98	A ✓	138	B ✓	178	A ✓
19	C ✓	59	B ✓	99	B ✓	139	C ✓	179	B ✓
20	B ✓	60	C ✓	100	B ✓	140	C ✓	180	B ✓
21	D ✓	61	C ✓	101	A ✓	141	A ✓	181	B ✓
22	C ✓	62	C ✓	102	B ✓	142	B ✓	182	C ✓
23	D ✓	63	A ✓	103	B ✓	143	A ✓	183	C ✓
24	A ✓	64	B ✓	104	B ✓	144	C ✓	184	B ✓
25	B ✓	65	A ✓	105	C ✓	145	A ✓	185	C ✓
26	C ✓	66	C ✓	106	C ✓	146	D ✓	186	D ✓
27	B ✓	67	C ✓	107	A ✓	147	A ✓	187	C ✓
28	A ✓	68	D ✓	108	B ✓	148	B ✓	188	C ✓
29	B ✓	69	B ✓	109	B ✓	149	B ✓	189	B ✓
30	B ✓	70	D ✓	110	C ✓	150	B ✓	190	B ✓
31	A ✓	71	C ✓	111	B ✓	151	B ✓	191	A ✓
32	D ✓	72	D ✓	112	D ✓	152	B ✓	192	C ✓
33	B ✓	73	A ✓	113	B ✓	153	B ✓	193	B ✓
34	A ✓	74	D ✓	114	C ✓	154	A ✓	194	A ✓
35	C ✓	75	C ✓	115	A ✓	155	C ✓	195	C ✓
36	C ✓	76	A ✓	116	B ✓	156	D ✓	196	B ✓
37	B ✓	77	B ✓	117	B ✓	157	B ✓	197	B ✓
38	A ✓	78	B ✓	118	A ✓	158	A ✓	198	D ✓
39	C ✓	79	A ✓	119	C ✓	159	A ✓	199	C ✓
40	D ✓	80	C ✓	120	B ✓	160	B ✓	200	B ✓

* U - ALL ; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE : 27.07.14 FN & AN

Subject: Chemical Engineering

Code: CHE08

No. of Questions: 200

Series-B

Mark: 300

- | | | | | |
|------|------|-------|-------|-------|
| 1 B | 41 C | 81 B | 121 A | 161 B |
| 2 A | 42 C | 82 A | 122 C | 162 B |
| 3 C | 43 B | 83 C | 123 C | 163 A |
| 4 B | 44 C | 84 B | 124 B | 164 C |
| 5 A | 45 C | 85 C | 125 D | 165 B |
| 6 D | 46 B | 86 D | 126 D | 166 D |
| 7 C | 47 A | 87 B | 127 C | 167 B |
| 8 B | 48 B | 88 B | 128 B | 168 B |
| 9 C | 49 B | 89 B | 129 C | 169 C |
| 10 D | 50 A | 90 B | 130 A | 170 B |
| 11 A | 51 B | 91 C | 131 A | 171 A |
| 12 B | 52 C | 92 C | 132 D | 172 A |
| 13 C | 53 B | 93 B | 133 C | 173 C |
| 14 B | 54 D | 94 C | 134 C | 174 A |
| 15 A | 55 B | 95 D | 135 A | 175 A |
| 16 B | 56 C | 96 C | 136 B | 176 B |
| 17 B | 57 A | 97 C | 137 A | 177 B |
| 18 A | 58 B | 98 C | 138 C | 178 B |
| 19 C | 59 A | 99 B | 139 C | 179 B |
| 20 D | 60 B | 100 B | 140 D | 180 B |
| 21 D | 61 A | 101 D | 141 B | 181 B |
| 22 B | 62 C | 102 C | 142 B | 182 A |
| 23 B | 63 C | 103 B | 143 B | 183 D |
| 24 D | 64 D | 104 A | 144 A | 184 A |
| 25 B | 65 C | 105 A | 145 C | 185 A |
| 26 B | 66 B | 106 B | 146 A | 186 D |
| 27 D | 67 B | 107 B | 147 A | 187 D |
| 28 B | 68 C | 108 A | 148 D | 188 B |
| 29 A | 69 C | 109 D | 149 D | 189 B |
| 30 B | 70 A | 110 C | 150 B | 190 B |
| 31 C | 71 B | 111 B | 151 C | 191 A |
| 32 D | 72 A | 112 B | 152 A | 192 B |
| 33 C | 73 C | 113 A | 153 D | 193 B |
| 34 D | 74 A | 114 C | 154 C | 194 B |
| 35 A | 75 D | 115 B | 155 B | 195 B |
| 36 D | 76 C | 116 D | 156 B | 196 B |
| 37 C | 77 D | 117 B | 157 B | 197 A |
| 38 A | 78 B | 118 A | 158 C | 198 C |
| 39 A | 79 A | 119 D | 159 C | 199 B |
| 40 C | 80 A | 120 B | 160 A | 200 A |

* U - ALL; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE :27.07.14 FN & AN

Subject: Chemical Engineering

Code: CHE08

No. of Questions: 200

Series-C

Mark: 300

1	C	41	D	81	B	121	A	161	B
2	D	42	B	82	B	122	D	162	A
3	A	43	B	83	C	123	C	163	D
4	B	44	B	84	B	124	A	164	B
5	C	45	B	85	A	125	C	165	A
6	B	46	C	86	A	126	B	166	C
7	A	47	B	87	C	127	A	167	C
8	B	48	B	88	A	128	B	168	C
9	B	49	D	89	D	129	B	169	C
10	B	50	C	90	A	130	A	170	A
11	D	51	B	91	A	131	A	171	B
12	B	52	B	92	D	132	B	172	A
13	A	53	B	93	D	133	A	173	C
14	B	54	A	94	B	134	C	174	C
15	C	55	C	95	B	135	C	175	D
16	A	56	B	96	B	136	D	176	B
17	C	57	D	97	B	137	C	177	B
18	C	58	B	98	A	138	B	178	C
19	C	59	D	99	C	139	C	179	A
20	B	60	D	100	B	140	D	180	D
21	C	61	C	101	A	141	B	181	C
22	B	62	B	102	B	142	A	182	B
23	C	63	C	103	A	143	A	183	A
24	B	64	A	104	C	144	B	184	C
25	D	65	A	105	B	145	A	185	B
26	B	66	D	106	A	146	C	186	D
27	C	67	B	107	D	147	C	187	B
28	A	68	B	108	C	148	C	188	A
29	B	69	A	109	B	149	B	189	B
30	B	70	C	110	B	150	C	190	B
31	C	71	A	111	A	151	D	191	B
32	C	72	A	112	C	152	C	192	B
33	A	73	D	113	D	153	C	193	B
34	B	74	D	114	D	154	A	194	B
35	A	75	B	115	B	155	A	195	A
36	C	76	B	116	B	156	B	196	B
37	A	77	B	117	D	157	B	197	A
38	D	78	C	118	D	158	A	198	B
39	B	79	C	119	C	159	D	199	B
40	C	80	A	120	D	160	C	200	B

* U - ALL; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 ✓ DOE : 27.07.14 FN & AN ✓

Subject: Chemical Engineering ✓

Code: CHE08 ✓

No. of Questions: 200

Series-D ✓

Mark: 300

1	B ✓	41	A ✓	81	A ✓	121	D ✓	161	D ✓
2	B ✓	42	C ✓	82	B ✓	122	C ✓	162	A ✓
3	D ✓	43	A ✓	83	A ✓	123	B ✓	163	D ✓
4	B ✓	44	B ✓	84	C ✓	124	B ✓	164	C ✓
5	A ✓	45	B ✓	85	C ✓	125	D ✓	165	A ✓
6	B ✓	46	A ✓	86	D ✓	126	C ✓	166	A ✓
7	C ✓	47	C ✓	87	B ✓	127	B ✓	167	B ✓
8	B ✓	48	B ✓	88	B ✓	128	B ✓	168	A ✓
9	C ✓	49	A ✓	89	A ✓	129	D ✓	169	C ✓
10	B ✓	50	B ✓	90	C ✓	130	D ✓	170	C ✓
11	D ✓	51	A ✓	91	B ✓	131	C ✓	171	D ✓
12	B ✓	52	C ✓	92	D ✓	132	B ✓	172	C ✓
13	C ✓	53	D ✓	93	B ✓	133	C ✓	173	B ✓
14	A ✓	54	D ✓	94	B ✓	134	A ✓	174	C ✓
15	B ✓	55	B ✓	95	A ✓	135	A ✓	175	C ✓
16	B ✓	56	B ✓	96	B ✓	136	D ✓	176	B ✓
17	C ✓	57	D ✓	97	B ✓	137	B ✓	177	C ✓
18	D ✓	58	C ✓	98	B ✓	138	B ✓	178	D ✓
19	B ✓	59	B ✓	99	C ✓	139	B ✓	179	C ✓
20	B ✓	60	A ✓	100	D ✓	140	C ✓	180	C ✓
21	B ✓	61	B ✓	101	A ✓	141	C ✓	181	B ✓
22	B ✓	62	B ✓	102	B ✓	142	A ✓	182	A ✓
23	B ✓	63	A ✓	103	C ✓	143	B ✓	183	D ✓
24	B ✓	64	C ✓	104	B ✓	144	D ✓	184	B ✓
25	A ✓	65	D ✓	105	A ✓	145	A ✓	185	A ✓
26	C ✓	66	B ✓	106	B ✓	146	A ✓	186	C ✓
27	B ✓	67	A ✓	107	A ✓	147	D ✓	187	C ✓
28	D ✓	68	A ✓	108	C ✓	148	D ✓	188	B ✓
29	B ✓	69	B ✓	109	C ✓	149	B ✓	189	C ✓
30	B ✓	70	A ✓	110	C ✓	150	B ✓	190	A ✓
31	A ✓	71	C ✓	111	B ✓	151	B ✓	191	D ✓
32	C ✓	72	A ✓	112	C ✓	152	A ✓	192	C ✓
33	A ✓	73	A ✓	113	B ✓	153	C ✓	193	A ✓
34	A ✓	74	B ✓	114	C ✓	154	B ✓	194	B ✓
35	D ✓	75	B ✓	115	C ✓	155	A ✓	195	B ✓
36	D ✓	76	A ✓	116	A ✓	156	D ✓	196	B ✓
37	B ✓	77	D ✓	117	B ✓	157	C ✓	197	B ✓
38	C ✓	78	C ✓	118	A ✓	158	B ✓	198	B ✓
39	B ✓	79	C ✓	119	C ✓	159	D ✓	199	B ✓
40	A ✓	80	C ✓	120	A ✓	160	C ✓	200	A ✓

* U - ALL ; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE : 27.07.14 FN & AN

Subject: General Studies ✓

Code: GS08 ✓

No. of Questions: 100

Series-A ✓

Mark: 200

1	D ✓	41	C ✓	81	B ✓	121	161
2	D ✓	42	A ✓	82	C ✓	122	162
3	D ✓	43	C ✓	83	C ✓	123	163
4	B ✓	44	C ✓	84	A ✓	124	164
5	C ✓	45	B ✓	85	D ✓	125	165
6	B ✓	46	C ✓	86	C ✓	126	166
7	C ✓	47	B ✓	87	C ✓	127	167
8	C ✓	48	C ✓	88	D ✓	128	168
9	A/B ✓	49	A ✓	89	D ✓	129	169
10	D ✓	50	C ✓	90	C ✓	130	170
11	D ✓	51	B ✓	91	B ✓	131	171
12	C ✓	52	A ✓	92	B ✓	132	172
13	B ✓	53	D ✓	93	D ✓	133	173
14	C ✓	54	A ✓	94	C ✓	134	174
15	C ✓	55	A ✓	95	B ✓	135	175
16	D ✓	56	D ✓	96	B ✓	136	176
17	B ✓	57	C ✓	97	C ✓	137	177
18	B ✓	58	U ✓	98	B ✓	138	178
19	B ✓	59	B ✓	99	A ✓	139	179
20	D ✓	60	A ✓	100	B ✓	140	180
21	D ✓	61	D ✓	101		141	181
22	B ✓	62	C ✓	102		142	182
23	D ✓	63	D ✓	103		143	183
24	D ✓	64	B ✓	104		144	184
25	A ✓	65	A ✓	105		145	185
26	A ✓	66	A ✓	106		146	186
27	A ✓	67	B ✓	107		147	187
28	C ✓	68	A ✓	108		148	188
29	B ✓	69	C ✓	109		149	189
30	B ✓	70	B ✓	110		150	190
31	B ✓	71	D ✓	111		151	191
32	A ✓	72	C ✓	112		152	192
33	A ✓	73	D ✓	113		153	193
34	B ✓	74	A ✓	114		154	194
35	C ✓	75	D ✓	115		155	195
36	D ✓	76	D ✓	116		156	196
37	B ✓	77	A ✓	117		157	197
38	U ✓	78	C ✓	118		158	198
39	A ✓	79	B ✓	119		159	199
40	C ✓	80	B ✓	120		160	200

* U - ALL; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE : 27.07.14 FN & AN

Subject: General Studies ✓

Code: GS08 ✓

No. of Questions: 100

Series-B ✓

Mark: 200

1	D ✓	41	D ✓	81	A ✓	121	161
2	D ✓	42	D ✓	82	D ✓	122	162
3	B ✓	43	C ✓	83	C ✓	123	163
4	C ✓	44	D ✓	84	D ✓	124	164
5	A/B ✓	45	C ✓	85	A ✓	125	165
6	D ✓	46	B ✓	86	C ✓	126	166
7	B ✓	47	D ✓	87	B ✓	127	167
8	C ✓	48	C ✓	88	B ✓	128	168
9	C ✓	49	B ✓	89	B ✓	129	169
10	B ✓	50	C ✓	90	C ✓	130	170
11	B ✓	51	D ✓	91	C ✓	131	171
12	D ✓	52	C ✓	92	C ✓	132	172
13	D ✓	53	D ✓	93	D ✓	133	173
14	A ✓	54	B ✓	94	B ✓	134	174
15	C ✓	55	B ✓	95	B ✓	135	175
16	B ✓	56	D ✓	96	A ✓	136	176
17	B ✓	57	D ✓	97	B ✓	137	177
18	B ✓	58	A ✓	98	C ✓	138	178
19	C ✓	59	A ✓	99	B ✓	139	179
20	C ✓	60	B ✓	100	B ✓	140	180
21	C ✓	61	A ✓	101		141	181
22	A ✓	62	A ✓	102		142	182
23	C ✓	63	D ✓	103		143	183
24	B ✓	64	B ✓	104		144	184
25	C ✓	65	U ✓	105		145	185
26	D ✓	66	A ✓	106		146	186
27	C ✓	67	C ✓	107		147	187
28	U ✓	68	B ✓	108		148	188
29	C ✓	69	C ✓	109		149	189
30	D ✓	70	A ✓	110		150	190
31	B ✓	71	C ✓	111		151	191
32	B ✓	72	B ✓	112		152	192
33	A ✓	73	A ✓	113		153	193
34	C ✓	74	A ✓	114		154	194
35	B ✓	75	A ✓	115		155	195
36	A ✓	76	D ✓	116		156	196
37	D ✓	77	B ✓	117		157	197
38	D ✓	78	A ✓	118		158	198
39	C ✓	79	D ✓	119		159	199
40	A ✓	80	A ✓	120		160	200

* U - ALL; S - A/B/C/D

Tamil Nadu Public Service Commission

Combined Engineering Services Examination, 2012-13 & 2013-14 DOE : 27.07.14 FN & AN ✓

Subject: General Studies ✓

Code: GS08 ✓

No. of Questions: 100

Series-C ✓

Mark: 200

1	C ✓	41	D ✓	81	A ✓	121	161
2	A/B ✓	42	C ✓	82	C ✓	122	162
3	D ✓	43	D ✓	83	B ✓	123	163
4	B ✓	44	C ✓	84	C ✓	124	164
5	B ✓	45	C ✓	85	A ✓	125	165
6	D ✓	46	D ✓	86	A ✓	126	166
7	D ✓	47	A ✓	87	D ✓	127	167
8	B ✓	48	B ✓	88	A ✓	128	168
9	C ✓	49	D ✓	89	A ✓	129	169
10	B ✓	50	D ✓	90	A ✓	130	170
11	C ✓	51	B ✓	91	C ✓	131	171
12	C ✓	52	B ✓	92	B ✓	132	172
13	U ✓	53	C ✓	93	B ✓	133	173
14	B ✓	54	C ✓	94	B ✓	134	174
15	A ✓	55	A ✓	95	C ✓	135	175
16	C ✓	56	C ✓	96	C ✓	136	176
17	B ✓	57	B ✓	97	B ✓	137	177
18	C ✓	58	B ✓	98	B ✓	138	178
19	A ✓	59	C ✓	99	B ✓	139	179
20	D ✓	60	C ✓	100	B ✓	140	180
21	D ✓	61	A ✓	101		141	181
22	D ✓	62	C ✓	102		142	182
23	D ✓	63	D ✓	103		143	183
24	C ✓	64	C ✓	104		144	184
25	B ✓	65	D ✓	105		145	185
26	D ✓	66	B ✓	106		146	186
27	D ✓	67	A ✓	107		147	187
28	A ✓	68	D ✓	108		148	188
29	A ✓	69	D ✓	109		149	189
30	D ✓	70	D ✓	110		150	190
31	B ✓	71	C ✓	111		151	191
32	U ✓	72	C ✓	112		152	192
33	A ✓	73	B ✓	113		153	193
34	A ✓	74	C ✓	114		154	194
35	C ✓	75	B ✓	115		155	195
36	B ✓	76	C ✓	116		156	196
37	A ✓	77	D ✓	117		157	197
38	B ✓	78	B ✓	118		158	198
39	A ✓	79	B ✓	119		159	199
40	D ✓	80	A ✓	120		160	200

* U - ALL; S - A/B/C/D

Tamil Nadu Public Service Commission

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Subject: General Studies ✓

Code: GS08 ✓

No. of Questions: 100

Series-D ✓

Mark: 200

1	B ✓	41	B ✓	81	C ✓	121	161
2	B ✓	42	A ✓	82	D ✓	122	162
3	D ✓	43	A ✓	83	B ✓	123	163
4	D ✓	44	C ✓	84	C ✓	124	164
5	B ✓	45	B ✓	85	B ✓	125	165
6	C ✓	46	B ✓	86	C ✓	126	166
7	B ✓	47	C ✓	87	B ✓	127	167
8	A ✓	48	A/B ✓	88	A ✓	128	168
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10	B ✓	50	B ✓	90	A ✓	130	170
11	D ✓	51	C ✓	91	A ✓	131	171
12	D ✓	52	C ✓	92	D ✓	132	172
13	C ✓	53	U ✓	93	B ✓	133	173
14	D ✓	54	C ✓	94	B ✓	134	174
15	B ✓	55	A ✓	95	A ✓	135	175
16	U ✓	56	D ✓	96	C ✓	136	176
17	A ✓	57	D ✓	97	B ✓	137	177
18	B ✓	58	B ✓	98	B ✓	138	178
19	A ✓	59	D ✓	99	B ✓	139	179
20	D ✓	60	D ✓	100	C ✓	140	180
21	C ✓	61	A ✓	101		141	181
22	C ✓	62	A ✓	102		142	182
23	D ✓	63	A ✓	103		143	183
24	A ✓	64	C ✓	104		144	184
25	C ✓	65	B ✓	105		145	185
26	B ✓	66	A ✓	106		146	186
27	B ✓	67	A ✓	107		147	187
28	D ✓	68	B ✓	108		148	188
29	D ✓	69	D ✓	109		149	189
30	B ✓	70	C ✓	110		150	190
31	D ✓	71	D ✓	111		151	191
32	A ✓	72	B ✓	112		152	192
33	D ✓	73	C ✓	113		153	193
34	D ✓	74	C ✓	114		154	194
35	C ✓	75	C ✓	115		155	195
36	B ✓	76	C ✓	116		156	196
37	C ✓	77	A ✓	117		157	197
38	B ✓	78	C ✓	118		158	198
39	C ✓	79	D ✓	119		159	199
40	D ✓	80	C ✓	120		160	200

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