

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHEMISTRY_022015
 Subject Name: CHEMISTRY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION1

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	B	41	D	81	B	121	B	161	D
2	C	42	B	82	D	122	D	162	D
3	D	43	A	83	C	123	C	163	C
4	B	44	B	84	C	124	B	164	B
5	A	45	ALL	85	B	125	A	165	C
6	C	46	C	86	ALL	126	D	166	B
7	A	47	B	87	B	127	D	167	A
8	A	48	C	88	B	128	C	168	ALL
9	D	49	C	89	D	129	A	169	C
10	C	50	D	90	ALL	130	C	170	C
11	B	51	A	91	C	131	C	171	A
12	A	52	A	92	D	132	D	172	B
13	C	53	C	93	ALL	133	B	173	C
14	D	54	B	94	B	134	B	174	D
15	B	55	B	95	C	135	A	175	A
16	D	56	A	96	D	136	B	176	D
17	C	57	B	97	B	137	A	177	B
18	D	58	C	98	C	138	ALL	178	B
19	B	59	A	99	A	139	A	179	C
20	A	60	C	100	D	140	D	180	A
21	B	61	B	101	C	141	B	181	C
22	C	62	C	102	B	142	C	182	C
23	ALL	63	C	103	D	143	B	183	D
24	A	64	B	104	C	144	A	184	C
25	A	65	A	105	C	145	C	185	C
26	A	66	A	106	A	146	A	186	B
27	B	67	C	107	A	147	B	187	C
28	D	68	A	108	C	148	D	188	A
29	D	69	ALL	109	C	149	ALL	189	D
30	A	70	D	110	B	150	D	190	B
31	D	71	B	111	C	151	B	191	C
32	B	72	C	112	B	152	A	192	B
33	B	73	A	113	A	153	C	193	C
34	A	74	C	114	B	154	B	194	C
35	A	75	C	115	C	155	A	195	B
36	B	76	B	116	A	156	A	196	B
37	A	77	B	117	C	157	A/C	197	A
38	C	78	ALL	118	A	158	D	198	C
39	A	79	C	119	D	159	B	199	B
40	A	80	D	120	B	160	C	200	C

TAMIL NADU PUBLIC SERVICE COMMISSION
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 Subject Code: CHE_CHEMISTRY_022015
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VERSION KEY - VERSION2

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	A	41	C	81	B	121	B	161	ALL
2	B	42	B	82	C	122	A	162	D
3	C	43	C	83	ALL	123	C	163	D
4	A	44	ALL	84	B	124	D	164	C
5	C	45	A	85	D	125	B	165	C
6	A	46	C	86	D	126	C	166	B
7	C	47	D	87	C	127	ALL	167	A
8	A	48	B	88	C	128	A/C	168	C
9	A	49	B	89	C	129	A	169	C
10	C	50	B	90	A	130	B	170	A
11	B	51	D	91	C	131	A	171	A
12	D	52	C	92	B	132	D	172	B
13	C	53	A	93	C	133	D	173	C
14	A	54	B	94	D	134	B	174	B
15	A	55	C	95	C	135	B	175	D
16	B	56	A	96	C	136	B	176	D
17	D	57	B	97	ALL	137	D	177	B
18	B	58	C	98	D	138	A	178	C
19	C	59	D	99	B	139	C	179	C
20	B	60	B	100	A	140	B	180	D
21	A	61	B	101	A	141	C	181	A
22	B	62	B	102	B	142	C	182	B
23	C	63	C	103	B	143	C	183	A
24	D	64	D	104	B	144	C	184	B
25	B	65	A	105	C	145	C	185	D
26	C	66	C	106	A	146	C	186	B
27	A	67	B	107	C	147	C	187	A
28	B	68	B	108	A	148	A	188	C
29	D	69	D	109	C	149	B	189	D
30	B	70	A	110	A	150	C	190	D
31	C	71	C	111	C	151	A	191	B
32	ALL	72	B	112	D	152	A	192	C
33	A	73	B	113	A	153	C	193	A
34	B	74	C	114	A	154	D	194	A
35	A	75	A	115	D	155	B	195	B
36	B	76	ALL	116	D	156	ALL	196	D
37	B	77	C	117	A	157	D	197	C
38	C	78	C	118	B	158	B	198	D
39	B	79	A	119	A	159	A	199	C
40	B	80	ALL	120	ALL	160	A	200	D

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 Subject Code: CHE_CHEMISTRY_022015
 Subject Name: CHEMISTRY (PG DEGREE)

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 Marks: 300

VERSION KEY - VERSION3

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	D	41	A	81	B	121	A	161	C
2	C	42	D	82	C	122	B	162	D
3	A	43	B	83	D	123	B	163	D
4	A	44	A	84	B	124	D	164	A
5	A	45	D	85	ALL	125	B	165	C
6	C	46	A	86	A	126	B	166	A
7	D	47	C	87	B	127	D	167	A
8	A	48	C	88	A	128	C	168	A
9	A/C	49	ALL	89	A	129	A	169	B
10	D	50	C	90	C	130	B	170	A
11	C	51	A	91	A	131	B	171	A
12	A	52	A	92	B	132	A	172	A
13	A	53	ALL	93	B	133	C	173	D
14	C	54	C	94	B	134	B	174	D
15	B	55	ALL	95	B	135	B	175	C
16	B	56	C	96	C	136	B	176	B
17	C	57	C	97	A	137	B	177	C
18	C	58	B	98	B	138	B	178	C
19	C	59	D	99	D	139	C	179	B
20	A	60	B	100	D	140	D	180	B
21	B	61	C	101	A	141	B	181	B
22	D	62	A	102	C	142	B	182	A
23	B	63	C	103	B	143	A	183	C
24	B	64	D	104	D	144	D	184	D
25	C	65	A	105	C	145	C	185	D
26	C	66	B	106	C	146	B	186	C
27	B	67	A	107	A	147	A	187	A
28	C	68	ALL	108	D	148	A	188	C
29	B	69	C	109	C	149	ALL	189	D
30	C	70	B	110	D	150	C	190	B
31	C	71	ALL	111	C	151	C	191	B
32	C	72	ALL	112	A	152	C	192	B
33	A	73	D	113	C	153	D	193	C
34	D	74	B	114	A	154	ALL	194	B
35	B	75	A	115	B	155	C	195	C
36	B	76	C	116	C	156	C	196	B
37	B	77	C	117	D	157	D	197	A
38	B	78	D	118	B	158	C	198	A
39	A	79	B	119	C	159	D	199	C
40	ALL	80	B	120	D	160	C	200	A

TAMIL NADU PUBLIC SERVICE COMMISSION

CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE

Subject Code: CHE_CHEMISTRY_022015

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Subject Name: CHEMISTRY (PG DEGREE)

Marks: 300

VERSION KEY - VERSION4

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
✓1	A	✓41	C	✓81	ALL	✓121	A	✓161	D
✓2	A	✓42	A	✓82	B	✓122	A	✓162	C
✓3	A	✓43	D	✓83	B	✓123	D	✓163	A
✓4	B	✓44	C	✓84	C	✓124	C	✓164	C
✓5	C	✓45	A	✓85	B	✓125	D	✓165	D
✓6	A	✓46	D	✓86	C	✓126	A	✓166	C
✓7	A/C	✓47	C	✓87	B	✓127	A	✓167	A
✓8	D	✓48	B	✓88	C	✓128	C	✓168	B
✓9	B	✓49	C	✓89	D	✓129	D	✓169	B
✓10	B	✓50	C	✓90	B	✓130	C	✓170	C
✓11	A	✓51	C	✓91	B	✓131	A	✓171	B
✓12	A	✓52	B	✓92	C	✓132	D	✓172	B
✓13	C	✓53	B	✓93	C	✓133	C	✓173	C
✓14	A	✓54	A	✓94	D	✓134	C	✓174	ALL
✓15	C	✓55	C	✓95	B	✓135	A	✓175	A
✓16	B	✓56	A	✓96	B	✓136	ALL	✓176	C
✓17	B	✓57	A	✓97	A	✓137	C	✓177	C
✓18	A	✓58	A	✓98	D	✓138	A	✓178	B
✓19	B	✓59	B	✓99	C	✓139	C	✓179	C
✓20	B	✓60	C	✓100	D	✓140	C	✓180	ALL
✓21	B	✓61	D	✓101	ALL	✓141	D	✓181	D
✓22	ALL	✓62	C	✓102	D	✓142	B	✓182	B
✓23	B	✓63	B	✓103	A	✓143	C	✓183	D
✓24	B	✓64	D	✓104	D	✓144	B	✓184	A
✓25	C	✓65	D	✓105	C	✓145	A	✓185	B
✓26	B	✓66	C	✓106	A	✓146	A	✓186	C
✓27	C	✓67	D	✓107	C	✓147	B	✓187	C
✓28	A	✓68	A	✓108	C	✓148	B	✓188	B
✓29	B	✓69	A	✓109	B	✓149	B	✓189	C
✓30	A	✓70	D	✓110	C	✓150	C	✓190	D
✓31	A	✓71	A	✓111	A	✓151	B	✓191	A
✓32	C	✓72	A	✓112	B	✓152	B	✓192	A
✓33	B	✓73	B	✓113	ALL	✓153	D	✓193	B
✓34	ALL	✓74	C	✓114	B	✓154	C	✓194	C
✓35	C	✓75	B	✓115	A	✓155	ALL	✓195	C
✓36	D	✓76	C	✓116	A	✓156	B	✓196	B
✓37	C	✓77	D	✓117	A	✓157	C	✓197	ALL
✓38	B	✓78	B	✓118	B	✓158	D	✓198	A
✓39	B	✓79	D	✓119	D	✓159	D	✓199	C
✓40	D	✓80	C	✓120	A	✓160	D	✓200	B

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 Subject Code: CHE_CHEMISTRY_022015
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DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION5

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	B	41	B	81	C	121	A/C	161	ALL
2	C	42	D	82	C	122	D	162	B
3	D	43	C	83	ALL	123	D	163	ALL
4	D	44	C	84	A	124	A	164	B
5	C	45	ALL	85	C	125	C	165	ALL
6	C	46	A	86	A	126	B	166	C
7	C	47	C	87	A	127	C	167	A
8	C	48	D	88	B	128	D	168	D
9	A	49	D	89	C	129	D	169	C
10	B	50	A	90	B	130	C	170	D
11	B	51	D	91	C	131	ALL	171	B
12	B	52	A	92	B	132	A	172	C
13	C	53	B	93	B	133	B	173	A
14	C	54	C	94	A	134	A	174	C
15	B	55	B	95	A	135	B	175	A
16	A	56	C	96	ALL	136	A	176	C
17	B	57	C	97	C	137	B	177	D
18	D	58	A	98	D	138	B	178	B
19	C	59	C	99	C	139	C	179	C
20	A	60	A	100	A	140	B	180	C
21	C	61	A	101	B	141	B	181	B
22	A	62	A	102	A	142	A	182	B
23	B	63	D	103	B	143	A	183	B
24	B	64	A	104	C	144	B	184	B
25	A	65	B	105	C	145	D	185	B
26	A	66	B	106	A	146	B	186	D
27	B	67	C	107	C	147	C	187	A
28	B	68	A	108	C	148	A	188	D
29	B	69	A	109	C	149	B	189	C
30	A	70	A	110	B	150	C	190	A
31	C	71	A	111	B	151	B	191	D
32	B	72	A	112	B	152	D	192	D
33	D	73	C	113	D	153	C	193	D
34	A	74	C	114	B	154	B	194	C
35	C	75	B	115	B	155	B	195	C
36	ALL	76	D	116	D	156	C	196	D
37	A	77	B	117	D	157	A	197	C
38	ALL	78	B	118	B	158	A	198	D
39	C	79	A	119	D	159	C	199	C
40	D	80	C	120	D	160	C	200	ALL

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 Subject Code: CHE_CHEMISTRY_022015
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DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION 6

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	D	41	A	81	A	121	D	161	D
2	B	42	C	82	D	122	B	162	C
3	C	43	D	83	B	123	A	163	C
4	A	44	C	84	A	124	B	164	D
5	D	45	B	85	C	125	C	165	C
6	C	46	C	86	D	126	B	166	B
7	B	47	D	87	A	127	A	167	ALL
8	A	48	ALL	88	B	128	B	168	B
9	D	49	C	89	C	129	D	169	A
10	ALL	50	B	90	C	130	C	170	B
11	A	51	D	91	D	131	D	171	A
12	D	52	C	92	B	132	ALL	172	B
13	C	53	C	93	ALL	133	C	173	A
14	A	54	A	94	D	134	A	174	C
15	D	55	C	95	B	135	B	175	C
16	C	56	C	96	B	136	C	176	A
17	C	57	C	97	D	137	ALL	177	B
18	D	58	B	98	A	138	B	178	A
19	ALL	59	C	99	C	139	B	179	B
20	A	60	C	100	D	140	B	180	B
21	A	61	A	101	D	141	C	181	A
22	A	62	B	102	A	142	A	182	A
23	B	63	A	103	C	143	D	183	B
24	C	64	A	104	C	144	A	184	B
25	D	65	B	105	B	145	A	185	B
26	B	66	A	106	C	146	B	186	A
27	A	67	D	107	C	147	B	187	A
28	B	68	B	108	C	148	C	188	B
29	A	69	C	109	D	149	B	189	C
30	ALL	70	ALL	110	C	150	B	190	C
31	C	71	C	111	ALL	151	C	191	B
32	A	72	A	112	C	152	C	192	C
33	D	73	D	113	A	153	D	193	A
34	D	74	C	114	B	154	C	194	B
35	D	75	B	115	C	155	C	195	B
36	A	76	B	116	A	156	A	196	C
37	A	77	A	117	D	157	B	197	D
38	B	78	A	118	B	158	C	198	B
39	C	79	A/C	119	B	159	C	199	D
40	B	80	B	120	B	160	C	200	C

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VERSION KEY - VERSION7

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	D	41	A/C	81	A	121	B	161	A
2	B	42	C	82	D	122	A	162	C
3	A	43	C	83	D	123	B	163	A
4	A	44	D	84	C	124	C	164	C
5	A	45	B	85	B	125	D	165	B
6	A	46	A	86	C	126	A	166	C
7	B	47	C	87	C	127	C	167	C
8	D	48	C	88	B	128	C	168	C
9	ALL	49	C	89	D	129	D	169	C
10	C	50	B	90	A	130	D	170	C
11	B	51	C	91	D	131	B	171	A
12	A	52	B	92	C	132	B	172	C
13	A	53	C	93	B	133	A	173	B
14	A	54	A	94	A	134	C	174	ALL
15	A	55	D	95	C	135	A	175	B
16	B	56	A	96	A	136	A	176	ALL
17	C	57	C	97	A	137	A	177	D
18	B	58	B	98	B	138	A	178	C
19	B	59	D	99	A	139	D	179	D
20	ALL	60	B	100	C	140	C	180	C
21	B	61	A	101	A	141	A	181	B
22	C	62	D	102	B	142	ALL	182	B
23	B	63	D	103	C	143	C	183	A
24	ALL	64	A	104	B	144	C	184	D
25	C	65	A	105	C	145	B	185	B
26	D	66	B	106	B	146	C	186	B
27	A	67	C	107	C	147	C	187	D
28	C	68	ALL	108	C	148	A	188	B
29	D	69	A	109	D	149	D	189	ALL
30	A	70	B	110	A	150	B	190	C
31	A	71	B	111	B	151	C	191	B
32	D	72	B	112	B	152	B	192	C
33	D	73	A	113	ALL	153	A	193	C
34	C	74	C	114	B	154	B	194	C
35	B	75	A	115	C	155	D	195	B
36	B	76	B	116	ALL	156	B	196	C
37	D	77	D	117	A	157	A	197	D
38	A	78	D	118	B	158	C	198	B
39	C	79	D	119	B	159	C	199	B
40	C	80	C	120	D	160	B	200	D

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VERSION KEY - VERSIONS

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	B	41	C	81	A	121	B	161	D
2	A	42	A	82	C	122	C	162	B
3	C	43	B	83	A	123	D	163	B
4	D	44	ALL	84	A/C	124	A	164	C
5	C	45	ALL	85	A	125	A	165	D
6	B	46	C	86	A	126	A	166	A
7	C	47	B	87	C	127	C	167	C
8	A	48	C	88	A	128	D	168	A
9	B	49	B	89	D	129	A	169	D
10	B	50	C	90	C	130	C	170	A
11	D	51	B	91	D	131	C	171	B
12	B	52	B	92	B	132	C	172	B
13	B	53	ALL	93	C	133	A	173	B
14	B	54	B	94	A	134	D	174	A
15	A	55	A	95	B	135	A	175	A
16	B	56	B	96	C	136	D	176	C
17	D	57	C	97	D	137	A	177	C
18	D	58	D	98	A	138	ALL	178	C
19	B	59	B	99	C	139	D	179	C
20	A	60	B	100	D	140	C	180	C
21	B	61	C	101	B	141	C	181	C
22	C	62	D	102	B	142	C	182	A
23	A	63	A	103	C	143	C	183	A
24	D	64	A	104	D	144	B	184	D
25	A	65	A	105	B	145	C	185	D
26	C	66	C	106	A	146	ALL	186	B
27	D	67	D	107	C	147	C	187	A
28	B	68	B	108	ALL	148	B	188	B
29	B	69	A	109	ALL	149	C	189	B
30	B	70	A	110	B	150	B	190	C
31	ALL	71	ALL	111	A	151	B	191	C
32	A	72	D	112	D	152	A	192	B
33	B	73	C	113	C	153	B	193	C
34	B	74	C	114	B	154	C	194	C
35	A	75	C	115	C	155	B	195	B
36	D	76	A	116	A	156	C	196	A
37	A	77	D	117	D	157	A	197	B
38	D	78	B	118	C	158	B	198	D
39	C	79	ALL	119	C	159	B	199	B
40	D	80	D	120	C	160	C	200	C

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHEMISTRY_022015
 Subject Name: CHEMISTRY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION9

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	D ✓	41	A/C ✓	81	D ✓	121	D ✓	161	C ✓
2	B ✓	42	D ✓	82	C ✓	122	C ✓	162	B ✓
3	B ✓	43	C ✓	83	B ✓	123	B ✓	163	B ✓
4	C ✓	44	A ✓	84	C ✓	124	ALL ✓	164	C ✓
5	D ✓	45	C ✓	85	C ✓	125	D ✓	165	A ✓
6	D ✓	46	B ✓	86	A ✓	126	D ✓	166	D ✓
7	B ✓	47	A ✓	87	C ✓	127	B ✓	167	C ✓
8	C ✓	48	A ✓	88	B ✓	128	A ✓	168	C ✓
9	C ✓	49	A ✓	89	D ✓	129	A ✓	169	D ✓
10	ALL ✓	50	C ✓	90	D ✓	130	B ✓	170	B ✓
11	C ✓	51	B ✓	91	B ✓	131	C ✓	171	B ✓
12	A ✓	52	B ✓	92	D ✓	132	D ✓	172	C ✓
13	B ✓	53	C ✓	93	A ✓	133	ALL ✓	173	C ✓
14	A ✓	54	B ✓	94	ALL ✓	134	C ✓	174	A ✓
15	A ✓	55	A ✓	95	A ✓	135	A ✓	175	C ✓
16	C ✓	56	A ✓	96	C ✓	136	D ✓	176	D ✓
17	C ✓	57	A ✓	97	A ✓	137	D ✓	177	A ✓
18	ALL ✓	58	A ✓	98	B ✓	138	D ✓	178	D ✓
19	A ✓	59	B ✓	99	C ✓	139	B ✓	179	C ✓
20	A ✓	60	B ✓	100	C ✓	140	A ✓	180	A ✓
21	B ✓	61	C ✓	101	C ✓	141	A ✓	181	ALL ✓
22	B ✓	62	C ✓	102	B ✓	142	B ✓	182	D ✓
23	B ✓	63	A ✓	103	B ✓	143	D ✓	183	B ✓
24	B ✓	64	C ✓	104	A ✓	144	D ✓	184	ALL ✓
25	ALL ✓	65	C ✓	105	B ✓	145	B ✓	185	A ✓
26	D ✓	66	A ✓	106	B ✓	146	C ✓	186	D ✓
27	ALL ✓	67	A ✓	107	B ✓	147	C ✓	187	A ✓
28	B ✓	68	C ✓	108	A ✓	148	D ✓	188	C ✓
29	B ✓	69	C ✓	109	D ✓	149	B ✓	189	A ✓
30	A ✓	70	D ✓	110	A ✓	150	C ✓	190	ALL ✓
31	D ✓	71	B ✓	111	C ✓	151	A ✓	191	B ✓
32	C ✓	72	B ✓	112	C ✓	152	A ✓	192	C ✓
33	A ✓	73	C ✓	113	A ✓	153	B ✓	193	B ✓
34	D ✓	74	B ✓	114	D ✓	154	C ✓	194	C ✓
35	A ✓	75	C ✓	115	B ✓	155	A ✓	195	C ✓
36	A ✓	76	A ✓	116	B ✓	156	B ✓	196	D ✓
37	B ✓	77	B ✓	117	B ✓	157	C ✓	197	C ✓
38	C ✓	78	C ✓	118	B ✓	158	A ✓	198	C ✓
39	C ✓	79	D ✓	119	C ✓	159	D ✓	199	C ✓
40	B ✓	80	B ✓	120	C ✓	160	B ✓	200	B ✓

TAMIL NADU PUBLIC SERVICE COMMISSION

EMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE

Subject Code: CHE_CHEMISTRY_022015

DOE: 26.04.2015 FN & AN

Subject Name: CHEMISTRY (PG DEGREE)

Marks: 300

VERSION KEY - VERSION12

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	C	41	B	81	A	121	B	161	B
2	ALL	42	B	82	B	122	A	162	B
3	D	43	ALL	83	B	123	B	163	A
4	B	44	B	84	B	124	C	164	C
5	C	45	D	85	A	125	C	165	A
6	C	46	D	86	B	126	C	166	A
7	A	47	B	87	A	127	B	167	C
8	D	48	C	88	B	128	B	168	B
9	C	49	D	89	C	129	C	169	B
10	A	50	C	90	B	130	D	170	B
11	B	51	A	91	A	131	A	171	C
12	A	52	C	92	D	132	A	172	ALL
13	A	53	D	93	D	133	D	173	ALL
14	D	54	A	94	A	134	A	174	D
15	C	55	B	95	C	135	ALL	175	B
16	C	56	B	96	A	136	D	176	C
17	A	57	ALL	97	ALL	137	C	177	D
18	A	58	D	98	A	138	B	178	B
19	C	59	D	99	C	139	C	179	C
20	C	60	A	100	C	140	A	180	C
21	A	61	C	101	C	141	C	181	C
22	D	62	C	102	B	142	C	182	B
23	ALL	63	B	103	C	143	B	183	ALL
24	C	64	C	104	D	144	B	184	A
25	C	65	C	105	C	145	A	185	B
26	A	66	D	106	B	146	B	186	B
27	D	67	A	107	A	147	B	187	D
28	A	68	C	108	B	148	A	188	A/C
29	A	69	B	109	A	149	B	189	D
30	B	70	A	110	A	150	B	190	C
31	C	71	A	111	D	151	D	191	A
32	D	72	B	112	C	152	ALL	192	B
33	B	73	D	113	C	153	C	193	B
34	C	74	C	114	B	154	D	194	B
35	B	75	B	115	D	155	C	195	A
36	B	76	D	116	D	156	B	196	C
37	D	77	A	117	B	157	C	197	C
38	B	78	C	118	C	158	D	198	D
39	C	79	C	119	A	159	A	199	A
40	C	80	B	120	A	160	A	200	C

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHEMISTRY_022015
 Subject Name: CHEMISTRY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION10

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	A	41	A	81	B	121	B	161	A
2	C	42	B	82	A	122	B	162	A
3	C	43	B	83	A	123	D	163	ALL
4	A	44	C	84	C	124	D	164	D
5	B	45	B	85	D	125	ALL	165	B
6	D	46	A	86	D	126	B	166	A
7	B	47	D	87	ALL	127	B	167	A
8	ALL	48	C	88	ALL	128	C	168	A
9	B	49	C	89	B	129	C	169	B
10	A	50	B	90	C	130	B	170	A
11	A	51	A	91	D	131	D	171	D
12	A	52	C	92	A	132	A	172	D
13	C	53	ALL	93	B	133	C	173	C
14	C	54	D	94	B	134	B	174	C
15	D	55	D	95	D	135	B	175	A
16	B	56	C	96	B	136	C	176	A
17	C	57	C	97	A	137	D	177	B
18	D	58	B	98	D	138	B	178	B
19	C	59	C	99	D	139	C	179	B
20	A	60	ALL	100	C	140	A	180	D
21	ALL	61	C	101	C	141	A	181	C
22	B	62	B	102	D	142	C	182	B
23	D	63	D	103	B	143	B	183	A
24	D	64	A	104	C	144	A	184	B
25	A	65	C	105	C	145	A	185	B
26	C	66	C	106	A	146	A	186	A
27	C	67	C	107	B	147	B	187	D
28	B	68	C	108	B	148	C	188	B
29	C	69	C	109	C	149	B	189	C
30	B	70	D	110	C	150	D	190	D
31	A	71	C	111	B	151	ALL	191	A
32	C	72	C	112	C	152	ALL	192	A
33	C	73	B	113	A	153	C	193	C
34	B	74	A	114	C	154	A	194	B
35	B	75	D	115	A	155	A/C	195	B
36	C	76	B	116	B	156	D	196	C
37	A	77	C	117	B	157	A	197	D
38	C	78	D	118	C	158	B	198	C
39	B	79	C	119	A	159	A	199	C
40	A	80	B	120	A	160	B	200	D

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHEMISTRY_022015
 Subject Name: CHEMISTRY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300.

VERSION KEY - VERSION11

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	D	41	D	81	B	121	D	161	A
2	B	42	A	82	B	122	D	162	A
3	C	43	C	83	B	123	A/C	163	C
4	A	44	C	84	B	124	C	164	D
5	C	45	A	85	C	125	C	165	A
6	B	46	D	86	A	126	C	166	D
7	C	47	A	87	C	127	A	167	C
8	C	48	B	88	B	128	C	168	B
9	C	49	B	89	A	129	B	169	A
10	D	50	ALL	90	A	130	C	170	B
11	D	51	ALL	91	A	131	B	171	D
12	B	52	A	92	A	132	B	172	C
13	D	53	C	93	B	133	B	173	ALL
14	B	54	C	94	C	134	A	174	B
15	B	55	C	95	A	135	C	175	C
16	B	56	A	96	A	136	D	176	ALL
17	B	57	C	97	B	137	D	177	C
18	B	58	A	98	C	138	B	178	B
19	A	59	D	99	D	139	B	179	D
20	B	60	C	100	A	140	C	180	C
21	B	61	A	101	B	141	C	181	D
22	D	62	B	102	B	142	D	182	B
23	B	63	C	103	C	143	A	183	C
24	C	64	C	104	D	144	D	184	B
25	C	65	ALL	105	C	145	B	185	D
26	B	66	A	106	B	146	C	186	B
27	C	67	B	107	ALL	147	B	187	C
28	C	68	A	108	C	148	B	188	B
29	C	69	A	109	B	149	D	189	D
30	C	70	B	110	C	150	A	190	D
31	B	71	A	111	D	151	A	191	C
32	A	72	C	112	C	152	D	192	B
33	B	73	ALL	113	B	153	A	193	C
34	C	74	B	114	A	154	A	194	ALL
35	A	75	A	115	ALL	155	B	195	C
36	A	76	A	116	B	156	A	196	B
37	D	77	D	117	A	157	A	197	D
38	A	78	C	118	D	158	A	198	C
39	C	79	D	119	ALL	159	C	199	C
40	C	80	B	120	A	160	D	200	A

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHEMISTRY_022015
 Subject Name: CHEMISTRY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION13

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	C	41	B	81	B	121	C	161	D
2	B	42	D	82	D	122	C	162	A
3	A	43	C	83	B	123	B	163	ALL
4	A	44	D	84	C	124	C	164	C
5	D	45	D	85	A	125	C	165	C
6	D	46	B	86	C	126	A	166	B
7	C	47	B	87	C	127	B	167	B
8	A	48	A	88	B	128	B	168	C
9	C	49	D	89	C	129	C	169	B
10	A	50	A	90	B	130	B	170	C
11	B	51	C	91	ALL	131	A	171	A
12	C	52	D	92	B	132	B	172	B
13	C	53	B	93	C	133	A	173	B
14	A	54	D	94	B	134	C	174	C
15	C	55	B	95	D	135	B	175	C
16	B	56	B	96	C	136	D	176	A
17	B	57	C	97	C	137	A	177	A
18	C	58	C	98	B	138	D	178	B
19	A	59	B	99	B	139	ALL	179	C
20	C	60	ALL	100	B	140	D	180	D
21	A	61	A	101	A	141	C	181	A
22	D	62	C	102	C	142	D	182	D
23	A	63	C	103	ALL	143	D	183	C
24	C	64	D	104	D	144	A	184	A
25	C	65	A	105	B	145	C	185	A
26	C	66	C	106	D	146	C	186	C
27	A	67	B	107	C	147	B	187	C
28	D	68	D	108	A	148	C	188	D
29	C	69	D	109	A/C	149	B	189	A
30	A	70	C	110	C	150	ALL	190	ALL
31	C	71	B	111	ALL	151	A	191	B
32	B	72	D	112	D	152	D	192	B
33	B	73	B	113	D	153	A	193	C
34	B	74	A	114	A	154	B	194	A
35	B	75	C	115	A	155	D	195	A
36	D	76	A	116	B	156	B	196	B
37	B	77	A	117	ALL	157	C	197	B
38	A	78	ALL	118	A	158	A	198	A
39	C	79	B	119	C	159	A	199	B
40	B	80	C	120	B	160	B	200	A

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHFMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHEMISTRY_022015
 Subject Name: CHEMISTRY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY / VERSION14 /

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	B	41	B	81	C	121	B	161	B
2	D	42	A	82	B	122	A	162	C
3	D	43	D	83	A	123	A	163	B
4	C	44	A	84	B	124	B	164	C
5	A	45	D	85	B	125	A	165	A
6	A	46	A	86	A	126	ALL	166	A
7	B	47	B	87	A	127	A	167	C
8	C	48	B	88	D	128	C	168	ALL
9	C	49	ALL	89	C	129	A	169	B
10	D	50	B	90	B	130	B	170	A
11	D	51	A	91	B	131	B	171	B
12	B	52	C	92	A	132	C	172	B
13	C	53	C	93	B	133	C	173	D
14	C	54	A	94	B	134	B	174	C
15	D	55	C	95	B	135	B	175	B
16	ALL	56	C	96	B	136	C	176	A
17	C	57	B	97	A	137	D	177	C
18	C	58	ALL	98	A	138	D	178	D
19	D	59	D	99	A	139	B	179	B
20	B	60	A	100	C	140	D	180	A
21	B	61	B	101	A	141	C	181	B
22	C	62	B	102	C	142	C	182	C
23	A	63	B	103	A	143	A	183	D
24	C	64	D	104	D	144	B	184	B
25	ALL	65	A	105	B	145	A	185	C
26	B	66	C	106	C	146	C	186	D
27	D	67	C	107	C	147	C	187	A
28	C	68	C	108	B	148	D	188	A
29	ALL	69	D	109	D	149	C	189	D
30	B	70	C	110	D	150	B	190	C
31	A	71	D	111	B	151	C	191	D
32	B	72	B	112	C	152	ALL	192	C
33	C	73	A	113	D	153	D	193	C
34	A/C	74	C	114	D	154	A	194	C
35	D	75	C	115	A	155	A	195	ALL
36	A	76	A	116	B	156	D	196	A
37	B	77	C	117	G	157	D	197	C
38	B	78	A	118	B	158	A	198	C
39	C	79	A	119	B	159	C	199	A
40	C	80	B	120	ALL	160	C	200	B

TAMIL NADU PUBLIC SERVICE COMMISSION

CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE

Subject Code: CHE_CHEMISTRY_022015

DOE: 26.04.2015 FN & AN

Subject Name: CHEMISTRY/(PG DEGREE)

Marks: 300

VERSION KEY - VERSION15

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	B	41	C	81	C	121	B	161	B
2	C	42	ALL	82	C	122	A	162	ALL
3	D	43	D	83	B	123	C	163	C
4	C	44	A	84	A	124	A	164	B
5	A	45	C	85	D	125	D	165	B
6	D	46	C	86	B	126	A	166	B
7	D	47	B	87	A	127	A	167	C
8	C	48	C	88	C	128	C	168	B
9	ALL	49	ALL	89	C	129	C	169	C
10	D	50	B	90	C	130	B	170	D
11	B	51	A	91	D	131	D	171	C
12	A	52	A/C	92	C	132	A	172	A
13	B	53	C	93	D	133	C	173	B
14	C	54	C	94	A	134	B	174	D
15	C	55	B	95	A	135	D	175	ALL
16	B	56	C	96	A	136	B	176	C
17	B	57	B	97	D	137	D	177	D
18	A	58	D	98	B	138	C	178	C
19	B	59	B	99	B	139	B	179	C
20	C	60	C	100	B	140	A	180	D
21	A	61	C	101	C	141	D	181	C
22	D	62	B	102	B	142	C	182	B
23	A	63	A	103	B	143	A	183	A
24	D	64	B	104	C	144	A	184	B
25	B	65	A	105	C	145	B	185	B
26	ALL	66	A	106	B	146	B	186	B
27	C	67	A	107	A	147	A	187	B
28	A	68	B	108	A	148	ALL	188	A
29	C	69	ALL	109	C	149	ALL	189	A
30	A	70	A	110	A	150	A	190	D
31	C	71	C	111	D	151	D	191	C
32	B	72	A	112	A	152	B	192	C
33	A	73	D	113	A	153	B	193	A
34	B	74	D	114	B	154	C	194	D
35	D	75	B	115	A	155	C	195	B
36	ALL	76	C	116	A	156	C	196	B
37	C	77	D	117	C	157	B	197	B
38	C	78	C	118	B	158	C	198	C
39	B	79	D	119	A	159	D	199	A
40	C	80	B	120	D	160	D	200	C

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHEMISTRY_022015
 Subject Name: CHEMISTRY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION16

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	C	41	C	81	C	121	C	161	D
2	C	42	ALL	82	C	122	A	162	C
3	B	43	C	83	B	123	C	163	B
4	D	44	B	84	A	124	C	164	C
5	ALL	45	A	85	D	125	D	165	B
6	B	46	B	86	B	126	C	166	A
7	D	47	B	87	D	127	A	167	C
8	C	48	B	88	ALL	128	B	168	B
9	A	49	B	89	D	129	B	169	B
10	B	50	C	90	D	130	C	170	C
11	A	51	C	91	B	131	D	171	A
12	B	52	ALL	92	B	132	B	172	B
13	A	53	A	93	C	133	B	173	C
14	D	54	C	94	C	134	A	174	B
15	B	55	A	95	C	135	A	175	A
16	A	56	D	96	A	136	B	176	B
17	A	57	A	97	B	137	C	177	A
18	D	58	D	98	D	138	B	178	D
19	C	59	B	99	C	139	B	179	C
20	B	60	A	100	A	140	A	180	A
21	A	61	B	101	A	141	A	181	C
22	C	62	B	102	B	142	D	182	A
23	A	63	ALL	103	C	143	A	183	B
24	D	64	A	104	B	144	C	184	C
25	C	65	ALL	105	D	145	C	185	B
26	B	66	ALL	106	B	146	D	186	C
27	A/C	67	B	107	B	147	C	187	A
28	A	68	A	108	D	148	C	188	ALL
29	C	69	C	109	A	149	C	189	B
30	C	70	C	110	A	150	C	190	C
31	C	71	D	111	C	151	D	191	A
32	ALL	72	C	112	C	152	D	192	B
33	C	73	D	113	ALL	153	B	193	C
34	A	74	D	114	A	154	B	194	B
35	D	75	B	115	B	155	C	195	B
36	D	76	A	116	B	156	A	196	D
37	D	77	C	117	B	157	A	197	C
38	B	78	B	118	A	158	C	198	C
39	A	79	C	119	A	159	D	199	A
40	D	80	D	120	D	160	B	200	C

TAMIL NADU PUBLIC SERVICE COMMISSION
CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
Subject Code: CHE_CHTECH_022015
Subject Name: CHEMICAL TECHNOLOGY (PG DEGREE)

DOE: 26.04.2015 FN & AN
Marks: 300

VERSION KEY - VERSION1

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	C	41	C	81	D	121	D	161	C
2	B	42	B	82	A	122	C	162	A
3	B	43	A	83	D	123	C	163	B
4	A	44	B	84	A	124	D	164	B
5	B	45	C	85	B	125	C	165	B
6	C	46	B	86	A	126	A	166	B
7	B	47	C	87	A	127	B	167	C
8	A	48	A	88	C	128	D	168	A
9	B	49	B	89	D	129	A	169	B
10	A	50	B	90	A	130	B	170	D
11	B	51	B	91	A	131	A	171	A
12	D	52	A	92	A	132	B	172	D
13	A	53	A	93	A	133	B	173	A
14	A	54	A	94	A	134	B	174	C
15	C	55	A	95	A	135	D	175	B
16	A	56	C	96	B	136	C	176	A
17	A	57	B	97	A	137	C	177	B
18	D	58	A	98	D	138	C	178	A
19	B	59	C	99	A	139	C	179	D
20	C	60	B	100	A	140	D	180	A
21	D	61	A	101	A	141	A	181	D
22	C	62	C	102	A	142	B	182	A
23	A	63	D	103	D	143	A	183	A
24	C	64	B	104	C	144	B	184	A
25	C	65	B	105	A	145	A	185	C
26	B	66	C	106	A	146	D	186	D
27	C	67	C	107	A	147	A	187	A
28	C	68	B	108	A	148	B	188	C
29	A	69	A	109	C	149	B	189	A
30	A	70	B	110	A	150	A	190	B
31	B	71	D	111	C	151	D	191	C
32	D	72	A	112	A	152	A	192	A
33	D	73	B	113	B	153	D	193	B
34	C	74	D	114	B	154	A	194	C
35	B	75	A	115	D	155	B	195	A
36	B	76	A	116	B	156	B	196	A
37	D	77	D	117	A	157	B	197	A
38	D	78	A	118	A	158	C	198	D
39	B	79	D	119	A	159	A	199	B
40	C	80	A	120	C	160	A	200	C

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHTECH_022015
 Subject Name: CHEMICAL TECHNOLOGY (PG DEGREE)
 VERSION KEY - VERSION2

DOE: 26.04.2015 FN & AN
 Marks: 300

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	B	41	A	81	A	121	A	161	D
2	A	42	C	82	B	122	A	162	B
3	C	43	C	83	C	123	A	163	A
4	A	44	B	84	A	124	A	164	B
5	C	45	A	85	C	125	D	165	A
6	A	46	D	86	B	126	B	166	A
7	B	47	C	87	C	127	D	167	D
8	B	48	C	88	B	128	A	168	A
9	D	49	C	89	B	129	A	169	A
10	B	50	D	90	A	130	B	170	D
11	A	51	B	91	D	131	D	171	A
12	B	52	C	92	B	132	B	172	D
13	A	53	A	93	B	133	A	173	A
14	C	54	C	94	A	134	A	174	A
15	A	55	A	95	A	135	B	175	A
16	B	56	D	96	C	136	C	176	A
17	B	57	D	97	B	137	A	177	A
18	C	58	D	98	A	138	D	178	B
19	A	59	D	99	A	139	B	179	B
20	C	60	D	100	B	140	D	180	C
21	B	61	A	101	B	141	C	181	B
22	B	62	C	102	C	142	B	182	D
23	D	63	C	103	A	143	C	183	A
24	B	64	A	104	B	144	B	184	A
25	C	65	A	105	C	145	C	185	A
26	B	66	C	106	A	146	A	186	A
27	B	67	A	107	A	147	C	187	A
28	A	68	A	108	C	148	B	188	A
29	B	69	D	109	C	149	C	189	C
30	D	70	A	110	D	150	A	190	C
31	A	71	A	111	A	151	B	191	B
32	A	72	B	112	A	152	D	192	A
33	C	73	B	113	A	153	C	193	A
34	C	74	A	114	B	154	A	194	A
35	D	75	B	115	D	155	B	195	A
36	A	76	D	116	A	156	D	196	A
37	B	77	B	117	D	157	D	197	A
38	C	78	D	118	A	158	C	198	B
39	A	79	C	119	C	159	B	199	D
40	A	80	B	120	B	160	A	200	B

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHTECH_022015
 Subject Name: CHEMICAL TECHNOLOGY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION3

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	A	41	C	81	A	121	A	161	A
2	A	42	B	82	D	122	D	162	A
3	A	43	A	83	C	123	C	163	A
4	A	44	C	84	B	124	D	164	B
5	B	45	A	85	A	125	C	165	C
6	D	46	D	86	A	126	B	166	B
7	D	47	A	87	A	127	C	167	B
8	B	48	A	88	C	128	B	168	D
9	C	49	B	89	A	129	A	169	B
10	B	50	A	90	D	130	A	170	B
11	A	51	A	91	C	131	A	171	B
12	A	52	C	92	A	132	A	172	B
13	C	53	B	93	B	133	D	173	D
14	B	54	D	94	D	134	A	174	C
15	A	55	B	95	B	135	C	175	D
16	A	56	A	96	C	136	A	176	A
17	A	57	A	97	C	137	C	177	C
18	A	58	A	98	C	138	C	178	B
19	B	59	A	99	A	139	A	179	C
20	C	60	A	100	A	140	B	180	B
21	A	61	D	101	B	141	B	181	C
22	C	62	D	102	D	142	D	182	B
23	D	63	B	103	A	143	B	183	A
24	A	64	B	104	B	144	C	184	D
25	A	65	C	105	B	145	C	185	B
26	B	66	D	106	A	146	A	186	A
27	A	67	C	107	B	147	A	187	C
28	A	68	B	108	D	148	D	188	A
29	B	69	D	109	B	149	A	189	B
30	B	70	C	110	B	150	D	190	D
31	C	71	A	111	A	151	A	191	A
32	D	72	A	112	A	152	D	192	A
33	C	73	A	113	B	153	B	193	C
34	A	74	A	114	C	154	B	194	A
35	C	75	B	115	A	155	D	195	A
36	A	76	B	116	D	156	A	196	D
37	D	77	A	117	C	157	B	197	D
38	A	78	C	118	B	158	B	198	A
39	C	79	A	119	C	159	A	199	A
40	B	80	B	120	B	160	C	200	A

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHTECH_022015
 Subject Name: CHEMICAL TECHNOLOGY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION4

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	B	41	D	81	B	121	C	161	C
2	C	42	B	82	A	122	A	162	D
3	C	43	C	83	A	123	C	163	C
4	B	44	A	84	A	124	B	164	B
5	B	45	A	85	D	125	D	165	D
6	B	46	A	86	B	126	A	166	B
7	C	47	B	87	C	127	A	167	A
8	A	48	A	88	A	128	B	168	A
9	A	49	A	89	D	129	A	169	A
10	B	50	A	90	D	130	B	170	B
11	C	51	C	91	A	131	A	171	A
12	C	52	A	92	C	132	B	172	C
13	B	53	D	93	A	133	C	173	A
14	B	54	D	94	C	134	B	174	A
15	B	55	B	95	A	135	D	175	B
16	B	56	C	96	A	136	C	176	D
17	B	57	C	97	C	137	A	177	A
18	A	58	C	98	B	138	A	178	A
19	A	59	A	99	A	139	D	179	B
20	A	60	A	100	B	140	B	180	D
21	D	61	D	101	A	141	A	181	D
22	B	62	B	102	B	142	C	182	A
23	A	63	C	103	C	143	B	183	A
24	D	64	A	104	C	144	C	184	B
25	D	65	D	105	A	145	C	185	A
26	A	66	B	106	B	146	C	186	C
27	B	67	C	107	A	147	A	187	A
28	A	68	D	108	B	148	C	188	B
29	A	69	B	109	D	149	D	189	D
30	D	70	B	110	C	150	C	190	A
31	A	71	A	111	B	151	A	191	A
32	A	72	A	112	A	152	D	192	A
33	C	73	B	113	D	153	B	193	A
34	A	74	B	114	A	154	A	194	D
35	B	75	C	115	C	155	D	195	A
36	C	76	D	116	D	156	B	196	A
37	B	77	B	117	A	157	B	197	A
38	A	78	B	118	D	158	A	198	A
39	D	79	A	119	C	159	A	199	C
40	A	80	C	120	A	160	B	200	B

TAMIL NADU PUBLIC SERVICE COMMISSION
CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
Subject Code: CHE_CHTECH_022015
Subject Name: CHEMICAL TECHNOLOGY (PG DEGREE)

DOE: 26.04.2015 FN & AN
Marks: 300

VERSION KEY - VERSION5

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	C	41	B	81	A	121	A	161	B
2	B	42	D	82	A	122	B	162	D
3	C	43	A	83	C	123	C	163	D
4	B	44	A	84	A	124	B	164	B
5	B	45	A	85	A	125	C	165	B
6	C	46	A	86	B	126	A	166	C
7	A	47	A	87	B	127	B	167	A
8	A	48	D	88	C	128	D	168	A
9	A	49	B	89	B	129	A	169	A
10	A	50	A	90	D	130	A	170	A
11	B	51	B	91	A	131	A	171	C
12	A	52	B	92	C	132	C	172	A
13	B	53	A	93	D	133	B	173	A
14	C	54	A	94	B	134	B	174	B
15	C	55	C	95	A	135	A	175	C
16	B	56	D	96	B	136	B	176	C
17	A	57	D	97	A	137	B	177	D
18	D	58	B	98	A	138	D	178	B
19	B	59	A	99	A	139	A	179	D
20	A	60	C	100	A	140	C	180	B
21	A	61	D	101	B	141	A	181	B
22	B	62	B	102	B	142	A	182	C
23	D	63	A	103	B	143	D	183	B
24	B	64	A	104	C	144	D	184	A
25	C	65	D	105	A	145	D	185	A
26	B	66	C	106	A	146	D	186	C
27	C	67	A	107	C	147	A	187	B
28	A	68	A	108	C	148	C	188	B
29	B	69	B	109	D	149	C	189	C
30	A	70	B	110	A	150	A	190	A
31	B	71	A	111	A	151	D	191	A
32	A	72	A	112	C	152	B	192	B
33	D	73	A	113	D	153	A	193	D
34	C	74	A	114	B	154	C	194	D
35	D	75	C	115	B	155	C	195	C
36	B	76	D	116	A	156	A	196	C
37	A	77	A	117	D	157	D	197	A
38	B	78	A	118	A	158	A	198	C
39	B	79	C	119	C	159	D	199	C
40	A	80	A	120	D	160	A	200	A

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHTECH_022015
 Subject Name: CHEMICAL TECHNOLOGY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION6

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	A	41	B	81	C	121	C	161	A
2	A	42	A	82	D	122	B	162	D
3	D	43	D	83	B	123	D	163	B
4	A	44	A	84	D	124	A	164	A
5	D	45	C	85	A	125	B	165	A
6	A	46	B	86	A	126	A	166	D
7	C	47	D	87	A	127	B	167	C
8	D	48	A	88	A	128	A	168	D
9	D	49	A	89	D	129	A	169	C
10	B	50	A	90	A	130	A	170	A
11	B	51	A	91	B	131	A	171	D
12	C	52	B	92	B	132	C	172	A
13	C	53	A	93	B	133	A	173	B
14	B	54	D	94	A	134	A	174	A
15	B	55	C	95	A	135	B	175	D
16	B	56	B	96	C	136	D	176	B
17	C	57	A	97	B	137	A	177	A
18	C	58	D	98	B	138	A	178	C
19	C	59	C	99	B	139	A	179	D
20	A	60	B	100	A	140	C	180	B
21	A	61	C	101	A	141	D	181	C
22	A	62	C	102	A	142	C	182	A
23	B	63	B	103	C	143	B	183	B
24	D	64	A	104	A	144	A	184	A
25	A	65	C	105	B	145	A	185	C
26	A	66	D	106	D	146	C	186	A
27	A	67	B	107	C	147	B	187	A
28	D	68	A	108	C	148	C	188	A
29	A	69	C	109	A	149	C	189	C
30	B	70	C	110	C	150	A	190	A
31	C	71	B	111	A	151	C	191	D
32	B	72	A	112	C	152	D	192	A
33	A	73	D	113	D	153	A	193	A
34	A	74	B	114	A	154	B	194	B
35	C	75	C	115	B	155	B	195	D
36	B	76	B	116	A	156	A	196	B
37	A	77	A	117	C	157	B	197	A
38	D	78	B	118	C	158	A	198	D
39	A	79	B	119	B	159	B	199	D
40	B	80	B	120	A	160	B	200	B

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHTECH_022015
 Subject Name: CHEMICAL TECHNOLOGY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION7

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	D	41	A	81	D	121	A	161	A
2	D	42	D	82	A	122	A	162	C
3	B	43	B	83	A	123	D	163	A
4	B	44	A	84	A	124	A	164	A
5	B	45	A	85	B	125	B	165	A
6	B	46	C	86	C	126	C	166	A
7	A	47	C	87	C	127	B	167	C
8	D	48	C	88	D	128	A	168	B
9	C	49	A	89	C	129	B	169	B
10	A	50	B	90	A	130	B	170	B
11	B	51	D	91	A	131	C	171	C
12	D	52	D	92	A	132	C	172	C
13	C	53	A	93	A	133	C	173	B
14	B	54	A	94	A	134	D	174	A
15	D	55	B	95	B	135	A	175	A
16	C	56	A	96	D	136	A	176	B
17	D	57	A	97	D	137	A	177	A
18	A	58	D	98	B	138	B	178	D
19	B	59	D	99	A	139	C	179	B
20	A	60	B	100	B	140	B	180	A
21	A	61	A	101	B	141	D	181	C
22	C	62	B	102	C	142	A	182	A
23	A	63	D	103	A	143	B	183	A
24	B	64	A	104	A	144	A	184	C
25	C	65	A	105	B	145	A	185	B
26	A	66	A	106	C	146	A	186	A
27	D	67	B	107	A	147	A	187	D
28	B	68	C	108	D	148	C	188	D
29	A	69	B	109	A	149	B	189	A
30	A	70	D	110	A	150	A	190	D
31	C	71	A	111	B	151	A	191	C
32	B	72	B	112	B	152	D	192	D
33	D	73	A	113	A	153	B	193	A
34	C	74	B	114	C	154	A	194	B
35	C	75	C	115	A	155	A	195	D
36	C	76	A	116	D	156	A	196	B
37	A	77	B	117	C	157	D	197	B
38	B	78	B	118	A	158	B	198	C
39	C	79	B	119	B	159	C	199	C
40	A	80	A	120	C	160	A	200	C

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHTECH_022015
 Subject Name: CHEMICAL TECHNOLOGY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION8

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	A	41	A	81	A	121	B	161	D
2	B	42	C	82	D	122	A	162	A
3	B	43	A	83	A	123	A	163	A
4	C	44	D	84	D	124	D	164	B
5	B	45	C	85	C	125	C	165	B
6	B	46	C	86	B	126	B	166	D
7	B	47	A	87	D	127	A	167	A
8	C	48	D	88	B	128	D	168	B
9	B	49	B	89	A	129	A	169	D
10	A	50	D	90	A	130	D	170	C
11	B	51	A	91	C	131	C	171	D
12	A	52	A	92	A	132	A	172	A
13	A	53	C	93	D	133	B	173	A
14	A	54	B	94	A	134	A	174	D
15	C	55	B	95	D	135	C	175	A
16	D	56	C	96	A	136	D	176	C
17	C	57	D	97	C	137	B	177	C
18	B	58	A	98	D	138	D	178	B
19	D	59	D	99	A	139	B	179	C
20	A	60	C	100	A	140	B	180	B
21	A	61	A	101	A	141	B	181	C
22	C	62	B	102	A	142	B	182	B
23	B	63	B	103	B	143	A	183	A
24	B	64	C	104	A	144	A	184	A
25	D	65	A	105	A	145	A	185	A
26	C	66	A	106	A	146	B	186	A
27	C	67	B	107	A	147	A	187	B
28	D	68	A	108	A	148	D	188	C
29	A	69	A	109	C	149	C	189	B
30	C	70	C	110	D	150	B	190	C
31	D	71	A	111	A	151	B	191	B
32	C	72	B	112	A	152	A	192	C
33	A	73	C	113	B	153	A	193	C
34	A	74	C	114	B	154	A	194	A
35	A	75	B	115	A	155	B	195	B
36	D	76	C	116	C	156	A	196	B
37	C	77	A	117	A	157	A	197	B
38	C	78	B	118	B	158	A	198	A
39	A	79	B	119	A	159	A	199	B
40	D	80	A	120	B	160	D	200	D

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHTECH_022015
 Subject Name: CHEMICAL TECHNOLOGY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION9

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	A	41	D	81	B	121	A	161	C
2	C	42	A	82	B	122	C	162	C
3	C	43	D	83	C	123	D	163	A
4	D	44	B	84	B	124	D	164	A
5	B	45	A	85	A	125	B	165	B
6	C	46	A	86	C	126	B	166	C
7	A	47	A	87	C	127	D	167	B
8	B	48	A	88	B	128	A	168	C
9	C	49	A	89	B	129	B	169	A
10	A	50	C	90	A	130	C	170	B
11	B	51	A	91	A	131	B	171	A
12	B	52	C	92	B	132	B	172	B
13	D	53	A	93	D	133	A	173	A
14	A	54	A	94	B	134	A	174	B
15	A	55	A	95	A	135	B	175	D
16	A	56	A	96	B	136	B	176	C
17	D	57	B	97	C	137	A	177	A
18	B	58	A	98	A	138	D	178	A
19	C	59	A	99	A	139	D	179	A
20	A	60	C	100	C	140	C	180	A
21	D	61	A	101	C	141	A	181	B
22	A	62	D	102	C	142	A	182	A
23	C	63	D	103	C	143	B	183	B
24	A	64	A	104	A	144	D	184	D
25	D	65	D	105	A	145	A	185	C
26	A	66	A	106	B	146	B	186	D
27	A	67	D	107	B	147	A	187	A
28	B	68	A	108	B	148	A	188	A
29	A	69	C	109	A	149	A	189	B
30	A	70	D	110	A	150	B	190	A
31	B	71	C	111	A	151	B	191	B
32	B	72	B	112	A	152	C	192	C
33	D	73	B	113	B	153	B	193	A
34	D	74	A	114	A	154	D	194	A
35	C	75	C	115	B	155	C	195	B
36	D	76	C	116	A	156	D	196	B
37	C	77	A	117	B	157	D	197	C
38	A	78	C	118	A	158	A	198	D
39	B	79	B	119	D	159	D	199	C
40	A	80	C	120	C	160	D	200	B

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHTECH_022015
 Subject Name: CHEMICAL TECHNOLOGY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION10

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	A	41	C	81	C	121	A	161	A
2	A	42	D	82	A	122	A	162	A
3	A	43	D	83	D	123	A	163	B
4	B	44	A	84	D	124	A	164	A
5	B	45	D	85	D	125	D	165	A
6	B	46	D	86	C	126	D	166	B
7	A	47	A	87	A	127	A	167	A
8	C	48	B	88	A	128	B	168	C
9	A	49	A	89	C	129	A	169	B
10	A	50	A	90	C	130	B	170	B
11	B	51	D	91	D	131	B	171	A
12	D	52	C	92	C	132	C	172	C
13	A	53	D	93	D	133	B	173	B
14	A	54	A	94	D	134	D	174	A
15	B	55	A	95	A	135	B	175	D
16	A	56	B	96	C	136	C	176	D
17	A	57	A	97	A	137	A	177	B
18	A	58	D	98	B	138	A	178	B
19	D	59	A	99	B	139	C	179	A
20	B	60	D	100	A	140	A	180	C
21	D	61	C	101	A	141	D	181	C
22	A	62	A	102	B	142	C	182	C
23	B	63	C	103	B	143	D	183	B
24	B	64	A	104	A	144	A	184	B
25	A	65	A	105	B	145	B	185	C
26	A	66	B	106	C	146	B	186	A
27	A	67	C	107	B	147	B	187	B
28	A	68	A	108	C	148	C	188	B
29	B	69	A	109	A	149	C	189	D
30	C	70	A	110	B	150	A	190	A
31	B	71	A	111	A	151	A	191	B
32	D	72	A	112	A	152	B	192	B
33	D	73	B	113	C	153	D	193	D
34	A	74	A	114	B	154	C	194	C
35	B	75	C	115	A	155	A	195	B
36	A	76	C	116	C	156	C	196	C
37	B	77	B	117	C	157	B	197	B
38	C	78	A	118	D	158	A	198	A
39	A	79	C	119	D	159	A	199	D
40	C	80	A	120	B	160	B	200	C

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHTECH_022015
 Subject Name: CHEMICAL TECHNOLOGY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION11

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	B	41	C	81	B	121	B	161	B
2	C	42	A	82	C	122	A	162	C
3	D	43	A	83	A	123	A	163	C
4	A	44	A	84	C	124	A	164	C
5	C	45	A	85	A	125	A	165	C
6	B	46	A	86	A	126	B	166	B
7	A	47	B	87	B	127	A	167	C
8	A	48	A	88	D	128	A	168	C
9	C	49	B	89	C	129	A	169	B
10	C	50	D	90	B	130	A	170	D
11	D	51	A	91	B	131	B	171	B
12	D	52	A	92	B	132	D	172	B
13	A	53	A	93	A	133	C	173	A
14	D	54	C	94	A	134	A	174	B
15	D	55	A	95	A	135	C	175	A
16	A	56	D	96	D	136	A	176	C
17	A	57	C	97	A	137	D	177	A
18	B	58	B	98	A	138	A	178	D
19	A	59	B	99	B	139	B	179	D
20	D	60	D	100	D	140	B	180	D
21	C	61	C	101	B	141	D	181	A
22	D	62	A	102	C	142	A	182	A
23	C	63	C	103	D	143	A	183	A
24	A	64	D	104	B	144	A	184	D
25	C	65	B	105	B	145	B	185	B
26	B	66	C	106	A	146	B	186	C
27	C	67	C	107	A	147	D	187	C
28	C	68	B	108	C	148	A	188	B
29	A	69	B	109	B	149	A	189	A
30	A	70	B	110	B	150	A	190	A
31	C	71	B	111	A	151	A	191	B
32	C	72	A	112	B	152	B	192	A
33	A	73	B	113	C	153	B	193	A
34	C	74	B	114	A	154	A	194	C
35	B	75	B	115	D	155	A	195	B
36	A	76	B	116	A	156	B	196	D
37	A	77	A	117	D	157	C	197	D
38	A	78	B	118	A	158	C	198	A
39	B	79	A	119	A	159	B	199	A
40	D	80	A	120	B	160	C	200	D

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHTECH_022015
 Subject Name: CHEMICAL TECHNOLOGY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION12

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	A	41	C	81	B	121	A	161	A
2	A	42	B	82	B	122	C	162	A
3	C	43	B	83	A	123	A	163	C
4	C	44	B	84	D	124	D	164	A
5	A	45	C	85	A	125	C	165	D
6	D	46	A	86	A	126	C	166	A
7	A	47	B	87	A	127	D	167	B
8	C	48	A	88	B	128	B	168	A
9	D	49	D	89	B	129	A	169	D
10	A	50	C	90	A	130	A	170	D
11	C	51	B	91	D	131	B	171	D
12	D	52	A	92	A	132	C	172	D
13	C	53	B	93	A	133	A	173	A
14	A	54	D	94	B	134	B	174	A
15	C	55	D	95	A	135	D	175	B
16	B	56	A	96	A	136	A	176	A
17	D	57	A	97	B	137	B	177	B
18	D	58	C	98	B	138	D	178	B
19	C	59	A	99	D	139	B	179	B
20	A	60	A	100	D	140	A	180	A
21	A	61	C	101	C	141	C	181	C
22	A	62	D	102	C	142	B	182	B
23	A	63	B	103	B	143	B	183	B
24	B	64	B	104	B	144	A	184	C
25	A	65	B	105	A	145	C	185	C
26	B	66	C	106	A	146	A	186	D
27	A	67	A	107	A	147	B	187	D
28	B	68	A	108	A	148	A	188	B
29	B	69	D	109	B	149	A	189	A
30	B	70	C	110	C	150	C	190	B
31	C	71	A	111	D	151	B	191	C
32	D	72	B	112	B	152	B	192	B
33	A	73	B	113	B	153	A	193	A
34	A	74	C	114	A	154	A	194	A
35	B	75	A	115	C	155	C	195	C
36	A	76	D	116	D	156	A	196	C
37	A	77	D	117	D	157	B	197	A
38	A	78	A	118	C	158	A	198	C
39	C	79	C	119	C	159	A	199	A
40	B	80	A	120	D	160	A	200	A

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHTECH_022015
 Subject Name: CHEMICAL TECHNOLOGY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION13

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	D	41	A	81	A	121	A	161	C
2	C	42	C	82	B	122	D	162	D
3	A	43	A	83	B	123	B	163	C
4	B	44	A	84	D	124	B	164	D
5	B	45	A	85	D	125	C	165	D
6	A	46	A	86	A	126	D	166	B
7	A	47	B	87	B	127	B	167	A
8	C	48	A	88	D	128	A	168	A
9	D	49	B	89	C	129	A	169	D
10	A	50	A	90	B	130	A	170	D
11	A	51	A	91	A	131	C	171	A
12	D	52	A	92	C	132	B	172	D
13	D	53	B	93	B	133	A	173	A
14	B	54	B	94	A	134	C	174	A
15	C	55	C	95	C	135	D	175	A
16	B	56	B	96	A	136	B	176	A
17	C	57	D	97	A	137	A	177	B
18	A	58	C	98	B	138	B	178	D
19	B	59	B	99	D	139	B	179	D
20	C	60	B	100	B	140	D	180	C
21	D	61	A	101	A	141	C	181	C
22	A	62	B	102	A	142	A	182	A
23	A	63	A	103	B	143	C	183	C
24	D	64	A	104	A	144	B	184	C
25	A	65	B	105	C	145	B	185	B
26	A	66	A	106	A	146	C	186	A
27	A	67	A	107	B	147	A	187	A
28	A	68	A	108	C	148	C	188	A
29	A	69	A	109	C	149	A	189	A
30	C	70	B	110	B	150	A	190	A
31	C	71	B	111	C	151	D	191	A
32	A	72	D	112	A	152	A	192	B
33	C	73	B	113	B	153	A	193	A
34	A	74	C	114	B	154	C	194	B
35	D	75	C	115	D	155	B	195	C
36	D	76	B	116	D	156	A	196	A
37	A	77	D	117	B	157	A	197	C
38	A	78	B	118	A	158	B	198	C
39	B	79	B	119	A	159	C	199	B
40	C	80	D	120	D	160	C	200	B

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHTECH_022015
 Subject Name: CHEMICAL TECHNOLOGY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION14

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	C	41	B	81	D	121	B	161	A
2	B	42	C	82	D	122	B	162	B
3	B	43	C	83	B	123	B	163	C
4	D	44	D	84	A	124	B	164	A
5	A	45	B	85	A	125	C	165	C
6	D	46	A	86	A	126	D	166	C
7	B	47	A	87	B	127	A	167	C
8	A	48	B	88	A	128	A	168	A
9	B	49	A	89	A	129	A	169	A
10	A	50	D	90	C	130	B	170	B
11	B	51	A	91	B	131	A	171	C
12	C	52	D	92	A	132	A	172	A
13	B	53	B	93	C	133	D	173	D
14	A	54	A	94	A	134	D	174	B
15	A	55	C	95	A	135	D	175	B
16	A	56	B	96	C	136	C	176	B
17	A	57	C	97	D	137	D	177	A
18	B	58	B	98	A	138	A	178	D
19	B	59	C	99	D	139	A	179	D
20	A	60	B	100	A	140	A	180	D
21	A	61	B	101	C	141	A	181	A
22	C	62	D	102	D	142	B	182	B
23	C	63	A	103	A	143	C	183	A
24	D	64	A	104	B	144	D	184	A
25	A	65	B	105	C	145	A	185	A
26	A	66	C	106	A	146	C	186	A
27	A	67	A	107	B	147	C	187	A
28	C	68	A	108	B	148	B	188	B
29	A	69	A	109	B	149	C	189	A
30	B	70	B	110	B	150	C	190	D
31	A	71	D	111	A	151	C	191	B
32	D	72	C	112	D	152	B	192	B
33	D	73	A	113	C	153	B	193	C
34	A	74	A	114	B	154	A	194	D
35	A	75	B	115	D	155	D	195	C
36	A	76	A	116	A	156	C	196	A
37	C	77	C	117	B	157	A	197	A
38	C	78	A	118	B	158	A	198	A
39	B	79	B	119	B	159	A	199	D
40	C	80	C	120	C	160	D	200	A

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHTECH_022015
 Subject Name: CHEMICAL TECHNOLOGY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION15

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	A	41	C	81	A	121	A	161	B
2	A	42	D	82	D	122	C	162	C
3	A	43	B	83	B	123	B	163	B
4	C	44	A	84	B	124	C	164	C
5	C	45	D	85	B	125	B	165	B
6	C	46	D	86	A	126	D	166	A
7	A	47	D	87	A	127	A	167	C
8	A	48	C	88	B	128	D	168	A
9	D	49	C	89	D	129	C	169	C
10	A	50	C	90	A	130	B	170	A
11	C	51	A	91	B	131	B	171	A
12	C	52	A	92	A	132	B	172	A
13	D	53	B	93	A	133	D	173	B
14	D	54	D	94	A	134	A	174	B
15	C	55	A	95	C	135	A	175	C
16	B	56	B	96	A	136	A	176	B
17	C	57	B	97	D	137	B	177	A
18	A	58	A	98	A	138	B	178	C
19	A	59	B	99	B	139	A	179	C
20	B	60	A	100	D	140	A	180	A
21	A	61	A	101	A	141	A	181	A
22	C	62	A	102	A	142	D	182	A
23	B	63	C	103	B	143	A	183	A
24	A	64	C	104	B	144	A	184	A
25	B	65	D	105	D	145	C	185	C
26	B	66	A	106	B	146	C	186	B
27	D	67	D	107	D	147	A	187	B
28	B	68	A	108	D	148	B	188	B
29	C	69	B	109	C	149	A	189	D
30	B	70	C	110	A	150	C	190	A
31	D	71	A	111	A	151	B	191	A
32	B	72	B	112	A	152	B	192	A
33	B	73	A	113	A	153	C	193	A
34	A	74	A	114	D	154	B	194	D
35	A	75	B	115	D	155	C	195	B
36	C	76	A	116	B	156	D	196	C
37	C	77	B	117	A	157	A	197	B
38	C	78	B	118	D	158	A	198	A
39	A	79	B	119	A	159	C	199	D
40	A	80	C	120	D	160	A	200	D

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_CHTECH_022015
 Sub_ject Name: CHEMICAL TECHNOLOGY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION16

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	C	41	C	81	A	121	A	161	B
2	C	42	B	82	B	122	C	162	A
3	A	43	C	83	B	123	A	163	A
4	C	44	A	84	B	124	C	164	A
5	A	45	D	85	A	125	A	165	C
6	D	46	A	86	B	126	B	166	C
7	A	47	B	87	A	127	A	167	D
8	B	48	A	88	D	128	B	168	C
9	A	49	A	89	D	129	B	169	A
10	D	50	A	90	A	130	D	170	C
11	B	51	C	91	B	131	C	171	C
12	A	52	A	92	C	132	A	172	D
13	A	53	B	93	A	133	A	173	B
14	B	54	A	94	B	134	D	174	A
15	B	55	A	95	B	135	B	175	C
16	D	56	B	96	C	136	B	176	A
17	A	57	D	97	B	137	B	177	B
18	A	58	D	98	C	138	C	178	C
19	C	59	B	99	C	139	D	179	A
20	B	60	C	100	D	140	A	180	D
21	A	61	A	101	A	141	A	181	D
22	B	62	D	102	B	142	A	182	B
23	A	63	B	103	C	143	B	183	C
24	B	64	C	104	D	144	A	184	D
25	C	65	C	105	A	145	A	185	B
26	C	66	A	106	D	146	C	186	A
27	C	67	A	107	D	147	C	187	B
28	B	68	A	108	A	148	A	188	C
29	A	69	B	109	D	149	A	189	A
30	D	70	A	110	A	150	D	190	C
31	B	71	A	111	A	151	C	191	A
32	B	72	B	112	D	152	A	192	A
33	C	73	D	113	C	153	B	193	A
34	D	74	B	114	A	154	A	194	D
35	B	75	D	115	D	155	C	195	B
36	B	76	D	116	B	156	A	196	B
37	A	77	A	117	C	157	C	197	A
38	A	78	A	118	A	158	A	198	B
39	A	79	A	119	A	159	B	199	B
40	D	80	A	120	B	160	A	200	B

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_INDCHE_022015
 Subject Name: INDUSTRIAL CHEMISTRY (PG DEGREE)
 VERSION KEY - VERSION1

DOE: 26.04.2015 FN & AN
 Marks: 300

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	D	41	A	81	C	121	D	161	D
2	B	42	B	82	C	122	B	162	A
3	A	43	A	83	B	123	B	163	A
4	C	44	A	84	D	124	A	164	D
5	C	45	A	85	D	125	C	165	A
6	D	46	C	86	C	126	D	166	B
7	B	47	C	87	C	127	D	167	C
8	D	48	C	88	A	128	D	168	C
9	C	49	D	89	C	129	C	169	D
10	D	50	D	90	C	130	A	170	A
11	D	51	B	91	C/D	131	C	171	B
12	C	52	D	92	B	132	B	172	B
13	C	53	C	93	C	133	C	173	D
14	C	54	D	94	B	134	C	174	C
15	B	55	B	95	A	135	B	175	C
16	B	56	D	96	A	136	C	176	B
17	A	57	A	97	A	137	B	177	A
18	C	58	A	98	A	138	B	178	C
19	B	59	B	99	B	139	C	179	C
20	D	60	C	100	C	140	C	180	C
21	C	61	B	101	A	141	B	181	C
22	B	62	B	102	A	142	C	182	B
23	B	63	D	103	A	143	A	183	B
24	B	64	A	104	B	144	A	184	B
25	B	65	B	105	A	145	B	185	B
26	B	66	B	106	C	146	C	186	D
27	B	67	A	107	C	147	C	187	C
28	C	68	D	108	D	148	C	188	B
29	D	69	C	109	A/C	149	B	189	A
30	C	70	B	110	D	150	B	190	B
31	D	71	D	111	A	151	B	191	A
32	D	72	A	112	D	152	A	192	A
33	B	73	D	113	A	153	C	193	D
34	B	74	A	114	A	154	C	194	A
35	C	75	D	115	A	155	C	195	B
36	A	76	A/D	116	B	156	A	196	D
37	B	77	B	117	C	157	A	197	A
38	D	78	A	118	A	158	D	198	D
39	A	79	A	119	A	159	B	199	D
40	C	80	B	120	B	160	A	200	D

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_INDCHE_022015
 Subject Name: INDUSTRIAL CHEMISTRY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION2

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	A	41	A	81	C	121	A	161	A
2	C	42	D	82	B	122	B	162	B
3	A	43	C	83	A	123	C	163	D
4	C	44	C	84	D	124	C	164	D
5	D	45	A	85	B	125	B	165	A
6	D	46	C	86	A	126	C	166	D
7	C	47	C	87	C	127	B	167	B
8	D	48	D	88	D	128	B	168	A
9	D	49	B	89	A	129	A	169	A
10	A	50	A	90	B	130	D	170	A
11	D	51	A	91	D	131	B	171	D
12	A	52	D	92	C	132	B	172	B
13	C	53	C	93	B	133	B	173	C
14	B	54	D	94	B	134	B	174	C
15	D	55	B	95	B	135	B	175	A
16	C	56	D	96	C	136	C/D	176	B
17	C	57	C	97	A	137	D	177	B
18	B	58	A	98	D	138	D	178	A
19	A	59	B	99	D	139	C	179	A
20	C	60	A	100	B	140	C	180	B
21	D	61	C	101	B	141	B	181	C
22	C	62	D	102	D	142	A	182	B
23	C	63	B	103	B	143	C	183	B
24	D	64	D	104	C	144	B	184	B
25	A	65	C	105	B	145	B	185	A/C
26	D	66	D	106	C	146	A	186	A
27	C	67	C	107	D	147	B	187	C
28	C	68	C	108	B	148	A	188	B
29	C	69	B	109	A	149	D	189	C
30	C	70	B	110	B	150	A	190	A
31	C	71	A	111	B	151	C	191	A
32	C	72	C	112	A	152	A/D	192	B
33	B	73	A	113	D	153	D	193	A
34	D	74	C	114	A	154	A	194	D
35	A	75	A	115	A	155	C	195	D
36	B	76	A	116	B	156	B	196	D
37	A	77	C	117	D	157	C	197	B
38	A	78	C	118	A	158	D	198	A
39	B	79	B	119	C	159	B	199	C
40	C	80	B	120	A	160	B	200	C

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_INDCHE_022015
 Subject Name: INDUSTRIAL CHEMISTRY (PG DEGREE)
 VERSION KEY - VERSION3

DOE: 26.04.2015 FN & AN
 Marks: 300

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	B	41	D	81	C	121	B	161	A
2	B	42	C	82	D	122	A	162	D
3	D	43	A	83	A	123	B	163	D
4	A	44	D	84	C	124	B	164	D
5	B	45	D	85	D	125	A	165	A
6	C	46	C	86	C	126	B	166	D
7	B	47	B	87	C	127	C	167	A
8	A	48	D	88	B	128	B	168	C
9	B	49	A	89	B	129	C	169	B
10	C	50	A	90	A	130	C	170	A
11	A	51	B	91	A	131	C	171	D
12	A	52	B	92	C	132	C	172	A
13	C	53	A	93	A	133	A	173	D
14	A	54	A	94	A	134	B	174	D
15	D	55	A	95	B	135	B	175	C
16	A	56	C	96	C	136	C	176	D
17	D	57	C	97	C	137	A	177	B
18	C	58	C	98	B	138	A	178	A
19	D	59	D	99	C	139	D	179	D
20	C	60	B	100	B	140	A	180	B
21	A	61	B	101	D	141	A	181	B
22	C	62	D	102	C	142	A	182	B
23	A	63	D	103	D	143	C	183	D
24	A	64	A	104	C	144	C	184	D
25	C	65	B	105	B	145	D	185	B
26	C	66	D	106	A	146	B	186	B
27	C	67	A	107	B	147	C	187	C
28	A	68	B	108	C	148	C	188	B
29	B	69	B	109	D	149	A	189	A
30	D	70	A/C	110	B	150	B	190	A
31	D	71	C	111	D	151	D	191	B
32	A	72	C	112	C	152	C	192	C
33	C	73	B	113	C	153	B	193	B
34	B	74	C	114	C	154	B	194	C
35	D	75	B	115	C	155	A	195	A
36	B	76	A	116	B	156	B	196	C/D
37	B	77	A	117	B	157	A/D	197	D
38	D	78	C	118	D	158	D	198	D
39	C	79	B	119	A	159	B	199	C
40	B	80	C	120	A	160	A	200	B

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_INDICHE_022015
 Subject Name: INDUSTRIAL CHEMISTRY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION4

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	A ✓	41	C ✓	81	C ✓	121	C ✓	161	B ✓
2	D ✓	42	B ✓	82	B ✓	122	D ✓	162	D ✓
3	A/C ✓	43	A ✓	83	C ✓	123	C ✓	163	C ✓
4	C ✓	44	B ✓	84	A ✓	124	A ✓	164	D ✓
5	C ✓	45	D ✓	85	A ✓	125	B ✓	165	B ✓
6	B ✓	46	A/D ✓	86	C ✓	126	B ✓	166	A ✓
7	B ✓	47	D ✓	87	B ✓	127	C ✓	167	C ✓
8	A ✓	48	D ✓	88	A ✓	128	B ✓	168	C ✓
9	C ✓	49	A ✓	89	B ✓	129	A ✓	169	A ✓
10	B ✓	50	D ✓	90	D ✓	130	D ✓	170	A ✓
11	B ✓	51	B ✓	91	B ✓	131	D ✓	171	C ✓
12	D ✓	52	D ✓	92	C ✓	132	A ✓	172	C ✓
13	A ✓	53	D ✓	93	B ✓	133	C ✓	173	D ✓
14	C ✓	54	B ✓	94	A ✓	134	B ✓	174	A ✓
15	C ✓	55	D ✓	95	D ✓	135	B ✓	175	D ✓
16	D ✓	56	D ✓	96	B ✓	136	A ✓	176	B ✓
17	A ✓	57	D ✓	97	A ✓	137	C ✓	177	C ✓
18	B ✓	58	C ✓	98	D ✓	138	C ✓	178	D ✓
19	D ✓	59	A ✓	99	D ✓	139	B ✓	179	A ✓
20	A ✓	60	C ✓	100	A ✓	140	A ✓	180	A ✓
21	D ✓	61	B ✓	101	B ✓	141	B ✓	181	A ✓
22	C ✓	62	A ✓	102	B ✓	142	A ✓	182	B ✓
23	C ✓	63	C ✓	103	A ✓	143	C ✓	183	B ✓
24	A ✓	64	C ✓	104	D ✓	144	B ✓	184	D ✓
25	B ✓	65	D ✓	105	A ✓	145	C ✓	185	B ✓
26	B ✓	66	B ✓	106	B ✓	146	B ✓	186	B ✓
27	C ✓	67	C ✓	107	A ✓	147	D ✓	187	D ✓
28	B ✓	68	B ✓	108	B ✓	148	B ✓	188	A ✓
29	A ✓	69	C ✓	109	C ✓	149	C ✓	189	B ✓
30	A ✓	70	C ✓	110	B ✓	150	B ✓	190	A ✓
31	C ✓	71	C ✓	111	C ✓	151	C ✓	191	B ✓
32	A ✓	72	C/D ✓	112	C ✓	152	A ✓	192	D ✓
33	C ✓	73	C ✓	113	C ✓	153	D ✓	193	C ✓
34	B ✓	74	B ✓	114	D ✓	154	A ✓	194	C ✓
35	A ✓	75	C ✓	115	C ✓	155	D ✓	195	A ✓
36	A ✓	76	B ✓	116	D ✓	156	D ✓	196	D ✓
37	A ✓	77	C ✓	117	A ✓	157	C ✓	197	B ✓
38	B ✓	78	B ✓	118	D ✓	158	A ✓	198	A ✓
39	D ✓	79	C ✓	119	C ✓	159	B ✓	199	A ✓
40	C ✓	80	A ✓	120	B ✓	160	A ✓	200	B ✓

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHELIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_INDCHE_022015
 Subject Name: INDUSTRIAL CHEMISTRY (PG-DEGREE)
 VERSION KEY - VERSION5

DOE: 26.04.2015 FN & AN
 Marks: 300

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	D	41	D	81	B	121	C	161	C
2	A	42	A	82	D	122	D	162	D
3	C	43	D	83	C	123	A	163	C
4	A	44	B	84	C	124	B	164	A
5	B	45	B	85	A	125	D	165	D
6	C	46	C	86	B	126	B	166	B
7	D	47	B	87	A	127	C	167	D
8	A	48	D	88	C	128	C	168	B
9	B	49	B	89	D	129	A	169	A
10	B	50	A	90	B	130	A	170	B
11	A	51	C	91	D	131	B	171	C
12	C	52	C	92	A/D	132	D	172	A
13	B	53	B	93	C	133	C	173	C
14	B	54	B	94	C	134	C	174	C
15	D	55	A	95	A	135	A	175	B
16	A	56	A	96	C	136	A	176	D
17	B	57	C	97	B	137	C	177	C
18	B	58	B	98	B	138	C	178	D
19	A	59	C	99	D	139	C	179	A
20	D	60	D	100	B	140	B	180	C
21	C	61	B	101	D	141	D	181	C
22	C	62	B	102	A	142	B	182	D
23	C	63	D	103	B	143	B	183	A
24	A	64	B	104	C	144	B	184	C
25	C	65	C	105	D	145	D	185	B
26	A	66	A	106	A	146	A	186	B
27	C	67	D	107	C	147	C	187	A
28	A	68	A	108	C	148	C	188	D
29	B	69	D	109	B	149	D	189	A
30	B	70	C/D	110	B	150	D	190	B
31	C	71	A	111	B	151	B	191	A
32	A	72	A	112	C	152	C	192	A
33	A	73	D	113	B	153	B	193	C
34	B	74	B	114	C	154	B	194	D
35	A	75	A	115	B	155	C	195	D
36	B	76	D	116	A	156	C	196	B
37	C	77	A	117	A	157	A	197	C
38	D	78	D	118	B	158	B	198	A
39	A/C	79	A	119	C	159	A	199	C
40	D	80	A	120	D	160	B	200	D

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHE. IST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_INDCHE_022015
 Subject Name: INDUSTRIAL CHEMISTRY (PG DEGREE)
 VERSION KEY - VERSION6

DOE: 26.04.2015 FN & AN
 Marks: 300

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	B	41	C	81	A	121	C	161	B
2	C	42	C	82	B	122	A/C	162	D
3	A	43	C	83	B	123	D	163	A
4	D	44	C	84	C	124	C	164	C
5	D	45	C	85	A	125	A	165	A
6	C	46	A	86	C	126	A	166	B
7	D	47	D	87	C	127	D	167	B
8	A	48	A	88	A	128	A	168	C
9	B	49	A	89	A/D	129	C	169	A
10	C	50	D	90	D	130	C	170	B
11	B	51	D	91	D	131	A	171	D
12	B	52	C	92	C	132	D	172	C
13	A	53	B	93	C	133	D	173	C
14	D	54	D	94	C	134	C	174	A
15	D	55	B	95	A	135	D	175	A
16	B	56	A	96	C	136	C	176	D
17	C	57	B	97	B	137	B	177	B
18	D	58	C	98	A	138	C	178	D
19	D	59	C	99	B	139	D	179	B
20	D	60	A	100	D	140	A	180	C
21	B	61	C	101	A	141	C	181	A
22	A	62	D	102	D	142	D	182	B
23	B	63	D	103	A	143	B	183	C
24	D	64	B	104	D	144	B	184	C
25	A	65	C	105	A	145	A	185	B
26	B	66	B	106	D	146	B	186	C
27	A	67	A	107	B	147	A	187	A
28	B	68	C	108	C	148	A	188	A
29	B	69	A	109	C	149	D	189	B
30	D	70	C	110	D	150	D	190	B
31	B	71	D	111	A	151	B	191	B
32	B	72	B	112	C	152	A	192	B
33	B	73	B	113	B	153	C	193	B
34	D	74	A	114	C	154	A	194	A
35	A	75	A	115	C/D	155	B	195	B
36	B	76	B	116	B	156	A	196	C
37	D	77	C	117	B	157	B	197	C
38	C	78	A	118	A	158	B	198	C
39	C	79	C	119	C	159	A	199	B
40	A	80	B	120	C	160	D	200	B

TAMIL NADU PUBLIC SERVICE COMMISSION

CHL IIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE

Subject Code: CHE_INDCHE_022015

DOE: 26.04.2015 FN & AN

Subject Name: INDUSTRIAL CHEMISTRY (PG DEGREE)

Marks: 300

VERSION KEY - VERSION7

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	D	41	A	81	A	121	C	161	C
2	C	42	D	82	B	122	C	162	D
3	D	43	A	83	D	123	C	163	D
4	C	44	D	84	B	124	C	164	A
5	B	45	C	85	B	125	B	165	D
6	C	46	A/C	86	A	126	A	166	D
7	B	47	B	87	D	127	A	167	D
8	B	48	D	88	A	128	C	168	D
9	B	49	D	89	B	129	D	169	C
10	B	50	D	90	D	130	A	170	B
11	C	51	B	91	B	131	C	171	C
12	C	52	D	92	C	132	D	172	A
13	D	53	B	93	B	133	C	173	B
14	A	54	D	94	A	134	A	174	B
15	A	55	A	95	C	135	D	175	A
16	B	56	C	96	B	136	C	176	C
17	B	57	B	97	C	137	C	177	D
18	B	58	C	98	C	138	D	178	A
19	C	59	A	99	A	139	C	179	C
20	B	60	D	100	C/D	140	D	180	D
21	C	61	B	101	D	141	C	181	A
22	D	62	A	102	A	142	D	182	B
23	A	63	B	103	B	143	B	183	C
24	A	64	C	104	A	144	A	184	C
25	A	65	A	105	D	145	A	185	D
26	C	66	B	106	B	146	D	186	B
27	A	67	C	107	B	147	A	187	B
28	A	68	C	108	D	148	C	188	A
29	A	69	D	109	A	149	C	189	D
30	A	70	A	110	B	150	C	190	C
31	D	71	C	111	A	151	B	191	C
32	A	72	A	112	C	152	B	192	B
33	D	73	C	113	B	153	A	193	C
34	B	74	C	114	A/D	154	B	194	A
35	B	75	A	115	B	155	B	195	B
36	B	76	A	116	C	156	B	196	C
37	A	77	B	117	C	157	B	197	C
38	A	78	C	118	C	158	B	198	B
39	D	79	B	119	C	159	B	199	A
40	D	80	A	120	B	160	B	200	A

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMISTRY IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_INDCHE_022015
 Subject Name: INDUSTRIAL CHEMISTRY (PG DEGREE)
 VERSION KEY - VERSION8

DOE: 26.04.2015 FN & AN
 Marks: 300

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	C	41	C	81	A	121	D	161	A
2	B	42	A	82	B	122	A	162	A
3	D	43	C	83	D	123	B	163	A
4	B	44	D	84	A	124	B	164	A
5	D	45	B	85	D	125	B	165	D
6	C	46	B	86	B	126	B	166	A
7	C	47	C	87	D	127	A	167	B
8	D	48	C	88	B	128	C	168	C
9	D	49	B	89	B	129	A	169	C
10	C	50	D	90	C	130	C	170	C
11	C	51	D	91	C	131	C	171	C
12	C	52	A	92	A	132	D	172	A
13	A	53	C	93	B	133	A	173	D
14	B	54	C	94	C	134	D	174	D
15	D	55	A	95	A	135	C	175	A
16	C	56	A	96	A	136	A	176	A
17	B	57	B	97	A	137	A	177	B
18	B	58	C	98	C	138	B	178	D
19	C	59	B	99	D	139	C	179	C
20	A	60	C	100	D	140	D	180	D
21	B	61	D	101	B	141	B	181	D
22	A	62	C	102	A/D	142	A	182	C
23	B	63	D	103	D	143	B	183	B
24	D	64	A	104	C	144	C	184	A
25	D	65	C	105	A	145	A	185	B
26	C	66	D	106	A	146	B	186	A
27	A	67	B	107	C	147	C	187	C
28	B	68	D	108	A	148	C	188	B
29	B	69	A	109	D	149	B	189	A
30	D	70	B	110	C	150	A	190	B
31	B	71	B	111	D	151	C/D	191	C
32	B	72	A/C	112	D	152	C	192	B
33	A	73	B	113	C	153	B	193	D
34	A	74	D	114	B	154	C	194	D
35	A	75	B	115	C	155	C	195	D
36	A	76	D	116	B	156	C	196	B
37	B	77	B	117	A	157	A	197	C
38	B	78	D	118	C	158	B	198	A
39	C	79	B	119	B	159	A	199	A
40	C	80	A	120	B	160	B	200	C

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_INDCHE_022015
 Subject Name: INDUSTRIAL CHEMISTRY (PG DEGREE)
 VERSION KEY - VERSION9

DOE: 26.04.2015 FN & AN
 Marks: 300

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	D	41	B	81	C	121	C	161	C
2	B	42	B	82	C	122	A	162	C
3	A	43	B	83	A	123	D	163	A
4	D	44	A	84	B	124	A	164	D
5	A	45	D	85	B	125	A	165	B
6	B	46	A	86	C	126	A/C	166	C
7	G	47	B	87	B	127	A	167	C
8	D	48	D	88	A	128	D	168	A
9	A	49	A	89	B	129	C	169	C
10	A	50	D	90	B	130	C	170	D
11	D	51	C	91	C	131	C	171	B
12	C/D	52	D	92	B	132	D	172	B
13	B	53	B	93	D	133	A	173	A
14	C	54	C	94	C	134	D	174	D
15	B	55	B	95	C	135	C	175	B
16	D	56	A	96	C	136	C	176	D
17	A	57	C	97	B	137	A	177	B
18	B	58	C	98	D	138	A	178	A
19	A	59	B	99	B	139	D	179	B
20	D	60	A	100	D	140	D	180	D
21	A	61	C	101	B	141	B	181	A
22	D	62	C	102	C	142	A	182	A
23	D	63	D	103	C	143	B	183	C
24	B	64	C	104	A	144	D	184	D
25	A	65	A	105	C	145	B	185	A
26	B	66	C	106	C	146	D	186	A
27	B	67	B	107	C	147	B	187	B
28	B	68	B	108	C	148	C	188	B
29	C	69	B	109	C	149	D	189	C
30	A/D	70	C	110	C	150	C	190	A
31	D	71	D	111	C	151	B	191	B
32	A	72	B	112	A	152	C	192	B
33	D	73	C	113	A	153	B	193	B
34	B	74	A	114	A	154	C	194	A
35	D	75	C	115	B	155	C	195	A
36	A	76	B	116	C	156	D	196	C
37	A	77	A	117	B	157	A	197	D
38	A	78	D	118	B	158	D	198	A
39	C	79	B	119	B	159	C	199	B
40	B	80	A	120	C	160	D	200	A

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_INDCHE_022015
 Subject Name: INDUSTRIAL CHEMISTRY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION10

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	C ✓	41	A ✓	81	D ✓	121	B ✓	161	A ✓
2	D ✓	42	D ✓	82	C ✓	122	A ✓	162	C ✓
3	A ✓	43	D ✓	83	D ✓	123	A ✓	163	D ✓
4	B ✓	44	D ✓	84	D ✓	124	D ✓	164	D ✓
5	A ✓	45	A ✓	85	A ✓	125	A ✓	165	C ✓
6	C ✓	46	B ✓	86	B ✓	126	A ✓	166	B ✓
7	A/D ✓	47	A ✓	87	C ✓	127	C ✓	167	D ✓
8	B ✓	48	B ✓	88	B ✓	128	B ✓	168	B ✓
9	B ✓	49	B ✓	89	C ✓	129	C ✓	169	A ✓
10	B ✓	50	C ✓	90	C ✓	130	C ✓	170	B ✓
11	B ✓	51	D ✓	91	B ✓	131	C ✓	171	A ✓
12	A ✓	52	B ✓	92	B ✓	132	C ✓	172	A ✓
13	D ✓	53	C ✓	93	A ✓	133	A ✓	173	D ✓
14	D ✓	54	D ✓	94	A ✓	134	B ✓	174	C ✓
15	C ✓	55	A ✓	95	C ✓	135	D ✓	175	C ✓
16	C ✓	56	C ✓	96	B ✓	136	D ✓	176	B ✓
17	B ✓	57	B ✓	97	A ✓	137	C ✓	177	C/D ✓
18	B ✓	58	D ✓	98	A ✓	138	C ✓	178	B ✓
19	B ✓	59	B ✓	99	A ✓	139	A ✓	179	A ✓
20	A ✓	60	B ✓	100	D ✓	140	B ✓	180	B ✓
21	D ✓	61	A ✓	101	C ✓	141	B ✓	181	D ✓
22	A ✓	62	D ✓	102	A ✓	142	D ✓	182	C ✓
23	D ✓	63	D ✓	103	C ✓	143	B ✓	183	A ✓
24	C ✓	64	B ✓	104	D ✓	144	D ✓	184	B ✓
25	A ✓	65	C ✓	105	C ✓	145	C ✓	185	C ✓
26	C ✓	66	B ✓	106	D ✓	146	A ✓	186	C ✓
27	B ✓	67	A ✓	107	B ✓	147	D ✓	187	C ✓
28	B ✓	68	D ✓	108	B ✓	148	A ✓	188	A ✓
29	B ✓	69	B ✓	109	D ✓	149	A ✓	189	A ✓
30	C ✓	70	A ✓	110	C ✓	150	C ✓	190	D ✓
31	B ✓	71	C ✓	111	C ✓	151	A ✓	191	A ✓
32	C ✓	72	B ✓	112	B ✓	152	B ✓	192	C ✓
33	A ✓	73	C ✓	113	C ✓	153	C ✓	193	B ✓
34	A ✓	74	A ✓	114	B ✓	154	A ✓	194	D ✓
35	C ✓	75	D ✓	115	A ✓	155	B ✓	195	D ✓
36	C ✓	76	D ✓	116	D ✓	156	A ✓	196	B ✓
37	B ✓	77	A/C ✓	117	A ✓	157	B ✓	197	B ✓
38	D ✓	78	A ✓	118	C ✓	158	C ✓	198	C ✓
39	B ✓	79	D ✓	119	C ✓	159	A ✓	199	B ✓
40	B ✓	80	A ✓	120	C ✓	160	C ✓	200	C ✓

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_INDICHE_022015
 Subject Name: INDUSTRIAL CHEMISTRY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION11

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	B	41	D	81	C	121	B	161	A
2	A	42	D	82	C	122	B	162	D
3	C	43	D	83	A	123	D	163	A
4	D	44	B	84	B	124	C	164	D
5	A	45	B	85	B	125	C	165	A
6	D	46	C	86	C	126	A	166	D
7	A	47	B	87	B	127	A	167	C
8	C	48	C	88	A	128	C	168	D
9	A	49	A	89	C	129	D	169	A
10	B	50	A	90	D	130	A	170	A
11	C	51	B	91	A	131	D	171	D
12	B	52	A/C	92	B	132	B	172	B
13	C	53	C	93	C	133	D	173	A
14	C	54	B	94	B	134	B	174	B
15	B	55	C	95	D	135	C	175	A
16	C	56	B	96	A	136	B	176	A
17	B	57	D	97	C	137	C	177	A
18	C	58	A	98	A/D	138	D	178	C
19	C	59	C	99	C	139	A	179	A
20	D	60	B	100	A	140	C	180	C
21	C	61	B	101	B	141	A	181	B
22	B	62	A	102	D	142	B	182	D
23	C	63	D	103	A	143	B	183	B
24	D	64	B	104	C	144	A	184	A
25	C	65	A	105	D	145	A	185	C
26	C	66	B	106	D	146	B	186	D
27	A	67	B	107	C	147	A	187	D
28	B	68	D	108	B	148	C	188	C
29	C	69	A	109	A	149	D	189	B
30	C	70	A	110	B	150	C	190	B
31	C	71	C	111	B	151	B	191	C
32	C	72	D	112	D	152	C	192	B
33	A	73	A	113	D	153	B	193	B
34	D	74	D	114	B	154	B	194	B
35	A	75	B	115	A	155	C	195	A
36	B	76	C	116	A	156	D	196	A
37	A	77	A	117	A	157	B	197	C
38	D	78	C	118	C	158	A	198	C
39	D	79	B	119	B	159	D	199	C/D
40	D	80	C	120	B	160	D	200	B

TAMIL NADU PUBLIC SERVICE COMMISSION
CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
Subject Code: CHE_INDCHE_022015
Subject Name: INDUSTRIAL CHEMISTRY (PG DEGREE)

DOE: 26.04.2015 FN & AN
Marks: 300

VERSION KEY - VERSION12

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	B	41	B	81	C	121	A	161	B
2	A	42	B	82	C	122	D	162	C
3	B	43	A	83	B	123	D	163	A
4	D	44	D	84	D	124	B	164	A
5	D	45	C	85	A	125	A	165	C
6	A	46	D	86	D	126	A	166	D
7	A	47	C	87	B	127	C	167	D
8	A	48	A	88	C	128	A	168	C
9	A	49	A/D	89	B	129	D	169	A
10	C	50	C	90	A	130	A	170	C
11	B	51	C	91	D	131	A	171	B
12	B	52	A	92	A	132	A	172	C
13	C	53	B	93	B	133	B	173	B
14	A	54	D	94	A	134	D	174	C
15	B	55	B	95	A	135	B	175	D
16	A	56	B	96	C/D	136	B	176	B
17	B	57	C	97	B	137	C	177	B
18	A	58	C	98	C	138	C	178	C
19	A	59	A	99	A	139	A	179	D
20	C	60	A	100	D	140	C	180	D
21	B	61	C	101	D	141	B	181	C
22	B	62	A	102	D	142	C	182	C
23	C	63	D	103	A	143	D	183	C
24	C	64	B	104	B	144	C	184	A
25	D	65	C	105	B	145	D	185	C
26	C	66	C	106	B	146	A/C	186	D
27	B	67	C	107	A	147	B	187	B
28	D	68	B	108	D	148	A	188	C
29	B	69	D	109	C	149	B	189	B
30	A	70	A	110	C	150	D	190	B
31	D	71	B	111	D	151	B	191	C
32	C	72	A	112	B	152	B	192	C
33	A	73	A	113	A	153	D	193	C
34	B	74	D	114	C	154	B	194	C
35	B	75	B	115	B	155	A	195	C
36	C	76	D	116	B	156	A	196	D
37	C	77	B	117	C	157	A	197	A
38	D	78	B	118	A	158	C	198	C
39	B	79	D	119	D	159	C	199	D
40	A	80	A	120	B	160	D	200	B

TAMIL NADU PUBLIC SERVICE COMMISSION

CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE

Subject Code: CHE_INDCHE_022015

DOE: 26.04.2015 FN & AN

Subject Name: INDUSTRIAL CHEMISTRY (PG DEGREE)

Marks: 300

VERSION KEY - VERSION13

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	B	41	B	81	A	121	A	161	D
2	D	42	D	82	C	122	C	162	B
3	C	43	A	83	A	123	C	163	D
4	C	44	C	84	C	124	C	164	C
5	B	45	A	85	C	125	A	165	C
6	C	46	A	86	D	126	B	166	D
7	A	47	C	87	B	127	C	167	D
8	C	48	D	88	D	128	B	168	D
9	C	49	C/D	89	C	129	A	169	B
10	B	50	B	90	D	130	B	170	D
11	C	51	C	91	A	131	D	171	A
12	D	52	C	92	C	132	A	172	A
13	D	53	B	93	C	133	B	173	C
14	B	54	C	94	B	134	B	174	C
15	B	55	C	95	D	135	D	175	B
16	B	56	B	96	A	136	A	176	B
17	D	57	C	97	B	137	C	177	A
18	B	58	A	98	C	138	D	178	A/C
19	D	59	B	99	C	139	A	179	C
20	B	60	D	100	A	140	C	180	A
21	A	61	A	101	A	141	B	181	D
22	B	62	A	102	A	142	C	182	C
23	C	63	A	103	D	143	B	183	B
24	A	64	B	104	B	144	D	184	A
25	A	65	C	105	C	145	D	185	A
26	A	66	A	106	A	146	B	186	D
27	C	67	D	107	A	147	B	187	B
28	D	68	B	108	B	148	A	188	C
29	A	69	C	109	D	149	C	189	C
30	A	70	D	110	A	150	B	190	C
31	C	71	A	111	B	151	C	191	A
32	A	72	B	112	D	152	D	192	C
33	B	73	C	113	D	153	A	193	D
34	D	74	B	114	B	154	A	194	C
35	C	75	B	115	A	155	B	195	B
36	B	76	D	116	D	156	A/D	196	C
37	B	77	B	117	D	157	C	197	A
38	A	78	C	118	B	158	C	198	A
39	D	79	A	119	B	159	B	199	A
40	D	80	B	120	B	160	B	200	B

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_INDCHE_022015
 Subject Name: INDUSTRIAL CHEMISTRY (PG DEGREE)

DOE: 26.04.2015 FN & AN
 Marks: 300

VERSION KEY - VERSION14

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	A✓	41	C✓	81	D✓	121	D✓	161	A✓
2	C✓	42	A✓	82	C✓	122	A✓	162	A✓
3	B✓	43	A✓	83	D✓	123	A✓	163	D✓
4	B✓	44	A✓	84	D✓	124	C✓	164	B✓
5	C✓	45	C✓	85	B✓	125	D✓	165	A✓
6	D✓	46	C✓	86	B✓	126	A✓	166	B✓
7	C✓	47	C✓	87	C✓	127	C✓	167	C✓
8	C✓	48	C✓	88	A✓	128	B✓	168	D✓
9	C✓	49	D✓	89	B✓	129	B✓	169	A✓
10	D✓	50	C✓	90	C✓	130	B✓	170	A✓
11	B✓	51	A✓	91	A✓	131	D✓	171	B✓
12	C✓	52	B✓	92	C✓	132	D✓	172	B✓
13	B✓	53	A/C✓	93	B✓	133	A✓	173	D✓
14	C✓	54	B✓	94	A✓	134	C✓	174	A✓
15	A✓	55	B✓	95	C✓	135	A✓	175	B✓
16	D✓	56	A✓	96	D✓	136	A✓	176	A✓
17	C✓	57	C✓	97	C✓	137	A✓	177	B✓
18	D✓	58	B✓	98	D✓	138	D✓	178	C✓
19	D✓	59	D✓	99	A✓	139	C✓	179	B✓
20	B✓	60	B✓	100	B✓	140	D✓	180	A✓
21	A✓	61	C✓	101	A✓	141	C✓	181	A✓
22	C✓	62	D✓	102	B✓	142	C✓	182	B✓
23	B✓	63	B✓	103	C✓	143	A✓	183	B✓
24	B✓	64	A✓	104	B✓	144	C✓	184	B✓
25	D✓	65	D✓	105	A✓	145	C✓	185	C✓
26	C✓	66	A✓	106	A✓	146	C✓	186	A✓
27	A✓	67	C✓	107	C✓	147	B✓	187	B✓
28	A✓	68	D✓	108	B✓	148	D✓	188	C✓
29	D✓	69	C✓	109	B✓	149	A✓	189	C✓
30	C✓	70	A✓	110	A✓	150	B✓	190	A✓
31	B✓	71	B✓	111	B✓	151	B✓	191	A✓
32	B✓	72	A✓	112	B✓	152	D✓	192	C✓
33	C✓	73	B✓	113	B✓	153	D✓	193	B✓
34	D✓	74	D✓	114	A✓	154	C✓	194	D✓
35	D✓	75	D✓	115	D✓	155	C/D✓	195	C✓
36	C✓	76	D✓	116	B✓	156	B✓	196	C✓
37	B✓	77	A/D✓	117	A✓	157	D✓	197	C✓
38	A✓	78	A✓	118	B✓	158	D✓	198	B✓
39	B✓	79	C✓	119	B✓	159	D✓	199	A✓
40	A✓	80	C✓	120	C✓	160	B✓	200	D✓

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_INDCHE_022015
 Subject Name: INDUSTRIAL CHEMISTRY (PG DEGREE)

DOE: 26.04:2015 FN & AN
 Marks: 300

VERSION KEY - VERSION15

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	D ✓	41	C ✓	81	B ✓	121	B ✓	161	A ✓
2	B ✓	42	B ✓	82	D ✓	122	B ✓	162	D ✓
3	B ✓	43	C ✓	83	A ✓	123	D ✓	163	A ✓
4	A ✓	44	B ✓	84	C ✓	124	A ✓	164	B ✓
5	D ✓	45	C ✓	85	C ✓	125	A ✓	165	A ✓
6	A ✓	46	C ✓	86	B ✓	126	D ✓	166	B ✓
7	C ✓	47	A ✓	87	B ✓	127	A ✓	167	B ✓
8	A ✓	48	D ✓	88	B ✓	128	A ✓	168	B ✓
9	D ✓	49	D ✓	89	C ✓	129	B ✓	169	A ✓
10	A ✓	50	C ✓	90	A ✓	130	C ✓	170	C ✓
11	C ✓	51	C ✓	91	D ✓	131	B ✓	171	A ✓
12	A/D ✓	52	D ✓	92	C ✓	132	D ✓	172	B ✓
13	A ✓	53	B ✓	93	C/D ✓	133	A ✓	173	A ✓
14	B ✓	54	B ✓	94	B ✓	134	B ✓	174	B ✓
15	D ✓	55	A ✓	95	C ✓	135	C ✓	175	C ✓
16	C ✓	56	D ✓	96	A ✓	136	B ✓	176	B ✓
17	A ✓	57	C ✓	97	C ✓	137	B ✓	177	C ✓
18	C ✓	58	D ✓	98	C ✓	138	A ✓	178	D ✓
19	D ✓	59	B ✓	99	A ✓	139	D ✓	179	D ✓
20	C ✓	60	D ✓	100	A ✓	140	D ✓	180	D ✓
21	A ✓	61	D ✓	101	B ✓	141	C ✓	181	A ✓
22	D ✓	62	A ✓	102	C ✓	142	C ✓	182	B ✓
23	D ✓	63	B ✓	103	A/C ✓	143	A ✓	183	C ✓
24	A ✓	64	A ✓	104	A ✓	144	C ✓	184	C ✓
25	D ✓	65	C ✓	105	C ✓	145	B ✓	185	C ✓
26	A ✓	66	D ✓	106	A ✓	146	A ✓	186	B ✓
27	D ✓	67	A ✓	107	D ✓	147	C ✓	187	C ✓
28	D ✓	68	B ✓	108	D ✓	148	C ✓	188	B ✓
29	D ✓	69	B ✓	109	B ✓	149	A ✓	189	A ✓
30	A ✓	70	C ✓	110	C ✓	150	C ✓	190	B ✓
31	A ✓	71	A ✓	111	B ✓	151	A ✓	191	B ✓
32	C ✓	72	D ✓	112	C ✓	152	C ✓	192	C ✓
33	A ✓	73	D ✓	113	D ✓	153	B ✓	193	B ✓
34	C ✓	74	C ✓	114	D ✓	154	C ✓	194	D ✓
35	B ✓	75	B ✓	115	A ✓	155	A ✓	195	A ✓
36	D ✓	76	B ✓	116	C ✓	156	B ✓	196	A ✓
37	B ✓	77	A ✓	117	C ✓	157	B ✓	197	B ✓
38	B ✓	78	D ✓	118	C ✓	158	C ✓	198	C ✓
39	C ✓	79	B ✓	119	B ✓	159	B ✓	199	B ✓
40	B ✓	80	B ✓	120	A ✓	160	C ✓	200	D ✓

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_INDCHE_022015
 Subject Name: INDUSTRIAL CHEMISTRY (PG DEGREE)
 VERSION KEY - VERSION16

DOE: 26.04.2015 FN & AN
 Marks: 300

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	C	41	A	81	C	121	A	161	C
2	A	42	A	82	D	122	C	162	B
3	C	43	A	83	C	123	A	163	D
4	A	44	D	84	A	124	D	164	A
5	D	45	C	85	C	125	D	165	D
6	B	46	B	86	B	126	A	166	A
7	A	47	D	87	D	127	D	167	C
8	C	48	B	88	A	128	D	168	B
9	D	49	C	89	C	129	C	169	B
10	D	50	B	90	A	130	B	170	B
11	D	51	D	91	B	131	A	171	B
12	B	52	D	92	C	132	A	172	C
13	B	53	B	93	C	133	A	173	B
14	B	54	C	94	C	134	B	174	B
15	A	55	A	95	C	135	D	175	B
16	B	56	C	96	B	136	C	176	A/D
17	C	57	D	97	A	137	D	177	B
18	A	58	B	98	D	138	B	178	A
19	B	59	C	99	B	139	C	179	B
20	A	60	C	100	C	140	C	180	B
21	D	61	D	101	A	141	D	181	B
22	C	62	C/D	102	C	142	A	182	B
23	A	63	A	103	C	143	D	183	B
24	D	64	A	104	B	144	B	184	A
25	A	65	C	105	C	145	B	185	A
26	D	66	A	106	B	146	A/C	186	C
27	A	67	C	107	A	147	D	187	B
28	B	68	A	108	B	148	A	188	B
29	A	69	D	109	B	149	D	189	A
30	C	70	C	110	A	150	B	190	B
31	C	71	C	111	B	151	D	191	C
32	A	72	B	112	D	152	A	192	D
33	C	73	C	113	C	153	C	193	B
34	A	74	B	114	D	154	C	194	A
35	D	75	B	115	D	155	D	195	B
36	A	76	A	116	A	156	B	196	B
37	C	77	D	117	A	157	A	197	C
38	C	78	C	118	B	158	B	198	C
39	B	79	D	119	D	159	A	199	B
40	C	80	C	120	D	160	C	200	C

TAMIL NADU PUBLIC SERVICE COMMISSION
CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
Subject Code: CHE_GK_022015
Subject Name: GENERAL STUDIES (DEGREE STANDARD)

DOE: 26.04.2015 FN & AN
Marks: 200

VERSION KEY - VERSION1

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	D	41	A	81	B				
2	B	42	A	82	C				
3	B	43	C	83	C				
4	C	44	A	84	D				
5	C	45	B	85	B				
6	A	46	A	86	B				
7	B	47	D	87	A				
8	C	48	B	88	D				
9	B	49	B	89	C				
10	D	50	D	90	D				
11	D	51	C	91	C				
12	B	52	D	92	B				
13	C	53	D	93	C				
14	A	54	B	94	C				
15	C	55	B	95	B				
16	C	56	A	96	C				
17	D	57	D	97	A				
18	A	58	C	98	B				
19	A	59	A	99	B				
20	C	60	A	100	B				
21	D	61	A						
22	D	62	ALL						
23	B	63	C						
24	B	64	C						
25	C	65	C						
26	C	66	D						
27	B	67	B						
28	C	68	B						
29	B	69	A						
30	D	70	B						
31	C	71	A						
32	A	72	C						
33	A	73	B						
34	C	74	B						
35	C	75	A						
36	A	76	A						
37	A	77	C						
38	A	78	D						
39	A	79	A						
40	C	80	A						

TAMIL NADU PUBLIC SERVICE COMMISSION
CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
Subject Code: CHE_GK_022015
Subject Name: GENERAL STUDIES (DEGREE STANDARD)
VERSION KEY - VERSION2

DOE: 26.04.2015 FN & AN
Marks: 200

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	C	41	C	81	A				
2	D	42	B	82	B				
3	D	43	A	83	C				
4	C	44	A	84	B				
5	A	45	C	85	C				
6	A	46	C	86	D				
7	A	47	C	87	D				
8	C	48	B	88	D				
9	A	49	D	89	D				
10	B	50	ALL	90	A				
11	B	51	B	91	C				
12	C	52	C	92	B				
13	B	53	D	93	B				
14	C	54	D	94	A				
15	A	55	B	95	D				
16	A	56	D	96	D				
17	A	57	C	97	B				
18	B	58	B	98	C				
19	B	59	B	99	C				
20	A	60	C	100	A				
21	C	61	C						
22	A	62	B						
23	A	63	C						
24	A	64	B						
25	D	65	D						
26	D	66	B						
27	B	67	A						
28	C	68	A						
29	A	69	C						
30	D	70	B						
31	A	71	C						
32	B	72	B						
33	C	73	C						
34	D	74	A						
35	C	75	A						
36	B	76	C						
37	A	77	C						
38	A	78	A						
39	B	79	B						
40	B	80	C						

TAMIL NADU PUBLIC SERVICE COMMISSION
CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
Subject Code: CHE_GK_022015
Subject Name: GENERAL STUDIES (DEGREE STANDARD)
VERSION KEY - VERSION3

DOE: 26.04.2015 FN & AN
Marks: 200

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	A	41	A	81	C				
2	D	42	ALL	82	C				
3	C	43	A	83	A				
4	D	44	B	84	B				
5	B	45	C	85	C				
6	C	46	D	86	A				
7	A	47	A	87	C				
8	D	48	C	88	D				
9	C	49	C	89	B				
10	D	50	A	90	A				
11	B	51	C	91	C				
12	A	52	C	92	B				
13	D	53	A	93	A				
14	C	54	B	94	D				
15	A	55	C	95	B				
16	A	56	C	96	C				
17	A	57	B	97	B				
18	A	58	A	98	C				
19	B	59	B	99	A				
20	B	60	A	100	D				
21	C	61	C						
22	B	62	B						
23	B	63	D						
24	D	64	B						
25	D	65	C						
26	C	66	B						
27	D	67	C						
28	A	68	A						
29	B	69	C						
30	D	70	C						
31	B	71	D						
32	B	72	B						
33	A	73	C						
34	C	74	B						
35	B	75	A						
36	C	76	C						
37	D	77	A						
38	D	78	B						
39	A	79	A						
40	B	80	B						

TAMIL NADU PUBLIC SERVICE COMMISSION
CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
Subject Code: CHE_GK_022015
Subject Name: GENERAL STUDIES (DEGREE STANDARD)

DOE: 26.04.2015 FN & AN
Marks: 200

VERSION KEY - VERSION4 ✓

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	D ✓	41	C ✓	81	C ✓				
2	C ✓	42	B ✓	82	A ✓				
3	B ✓	43	B ✓	83	D ✓				
4	D ✓	44	B ✓	84	C ✓				
5	A ✓	45	C ✓	85	B ✓				
6	D ✓	46	B ✓	86	A ✓				
7	B ✓	47	C ✓	87	A ✓				
8	B ✓	48	C ✓	88	B ✓				
9	C ✓	49	C ✓	89	D ✓				
10	A ✓	50	D ✓	90	A ✓				
11	B ✓	51	A ✓	91	D ✓				
12	C ✓	52	C ✓	92	C ✓				
13	A ✓	53	B ✓	93	B ✓				
14	C ✓	54	C ✓	94	B ✓				
15	B ✓	55	C ✓	95	B ✓				
16	D ✓	56	A ✓	96	A ✓				
17	D ✓	57	B ✓	97	B ✓				
18	C ✓	58	C ✓	98	B ✓				
19	A ✓	59	A ✓	99	D ✓				
20	C ✓	60	ALL ✓	100	D ✓				
21	A ✓	61	C ✓						
22	B ✓	62	A ✓						
23	D ✓	63	A ✓						
24	A ✓	64	A ✓						
25	C ✓	65	D ✓						
26	B ✓	66	A ✓						
27	D ✓	67	C ✓						
28	D ✓	68	A ✓						
29	B ✓	69	C ✓						
30	D ✓	70	B ✓						
31	C ✓	71	C ✓						
32	B ✓	72	D ✓						
33	A ✓	73	B ✓						
34	C ✓	74	A ✓						
35	C ✓	75	B ✓						
36	A ✓	76	C ✓						
37	C ✓	77	A ✓						
38	B ✓	78	A ✓						
39	C ✓	79	A ✓						
40	B ✓	80	A ✓						

TAMIL NADU PUBLIC SERVICE COMMISSION
CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
Subject Code: CHE_GK_022015
Subject Name: GENERAL STUDIES (DEGREE STANDARD)

DOE: 26.04.2015 FN & AN
Marks: 200

VERSION KEY - VERSION5

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	A	41	C	81	A				
2	D	42	A	82	C				
3	C	43	C	83	B				
4	B	44	C	84	A				
5	C	45	B	85	B				
6	C	46	A	86	D				
7	C	47	C	87	C				
8	A	48	A	88	D				
9	B	49	D	89	A				
10	A	50	C	90	D				
11	A	51	B	91	B				
12	C	52	ALL	92	C				
13	A	53	D	93	B				
14	B	54	A	94	D				
15	C	55	B	95	C				
16	D	56	A	96	C				
17	A	57	B	97	B				
18	A	58	A	98	D				
19	D	59	D	99	A				
20	B	60	B	100	C				
21	D	61	A						
22	D	62	B						
23	B	63	A						
24	D	64	A						
25	B	65	B						
26	A	66	A						
27	C	67	A						
28	C	68	C						
29	D	69	C						
30	B	70	B						
31	B	71	C						
32	C	72	A						
33	C	73	B						
34	C	74	C						
35	B	75	B						
36	C	76	A						
37	D	77	D						
38	B	78	B						
39	C	79	C						
40	A	80	B						

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_GK_022015
 Subject Name: GENERAL STUDIES (DEGREE STANDARD)

DOE: 26.04.2015 FN & AN
 Marks: 200

VERSION KEY - VERSION6

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	B	41	B	81	D				
2	A	42	A	82	D				
3	D	43	A	83	D				
4	A	44	D	84	A				
5	C	45	B	85	A				
6	B	46	A	86	B				
7	A	47	B	87	A				
8	A	48	A	88	B				
9	B	49	C	89	B				
10	B	50	C	90	C				
11	B	51	C	91	A				
12	C	52	A	92	B				
13	B	53	A	93	A				
14	D	54	A	94	B				
15	B	55	C	95	B				
16	B	56	D	96	D				
17	D	57	B	97	C				
18	B	58	C	98	C				
19	A	59	A	99	D				
20	A	60	B	100	C				
21	C	61	C						
22	B	62	C						
23	C	63	B						
24	C	64	B						
25	B	65	C						
26	D	66	C						
27	A	67	B						
28	C	68	C						
29	A	69	D						
30	B	70	D						
31	A	71	C						
32	C	72	ALL						
33	C	73	A						
34	A	74	D						
35	D	75	C						
36	C	76	D						
37	B	77	D						
38	C	78	A						
39	C	79	A						
40	C	80	C						

TAMIL NADU PUBLIC SERVICE COMMISSION
CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
Subject Code: CHE_GK_022015
Subject Name: GENERAL STUDIES (DEGREE STANDARD)
VERSION KEY - VERSION7

DOE: 26.04.2015 FN & AN
Marks: 200

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	D	41	B	81	A				
2	A	42	D	82	B				
3	C	43	C	83	A				
4	C	44	B	84	ALL				
5	B	45	B	85	A				
6	A	46	D	86	D				
7	B	47	B	87	A				
8	C	48	D	88	A				
9	D	49	C	89	C				
10	A	50	B	90	C				
11	C	51	A	91	B				
12	C	52	A	92	D				
13	A	53	A	93	C				
14	A	54	B	94	A				
15	B	55	C	95	A				
16	B	56	B	96	C				
17	C	57	B	97	B				
18	C	58	B	98	C				
19	D	59	D	99	C				
20	A	60	A	100	A				
21	A	61	B						
22	D	62	D						
23	A	63	B						
24	A	64	A						
25	B	65	A						
26	B	66	B						
27	C	67	A						
28	D	68	B						
29	C	69	C						
30	A	70	B						
31	D	71	C						
32	D	72	C						
33	C	73	C						
34	C	74	B						
35	C	75	D						
36	C	76	C						
37	D	77	D						
38	C	78	A						
39	B	79	B						
40	B	80	C						

TAMIL NADU PUBLIC SERVICE COMMISSION
CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
Subject Code: CHE_GK_022015
Subject Name: GENERAL STUDIES (DEGREE STANDARD)

DOE: 26.04.2015 FN & AN
Marks: 200

VERSION KEY - VERSION8

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	B	41	B	81	C				
2	B	42	D	82	C				
3	C	43	A	83	D				
4	B	44	D	84	C				
5	A	45	C	85	A				
6	B	46	B	86	D				
7	C	47	B	87	C				
8	A	48	A	88	B				
9	B	49	B	89	D				
10	C	50	C	90	C				
11	C	51	D	91	C				
12	C	52	A	92	B				
13	ALL	53	A	93	B				
14	C	54	A	94	D				
15	C	55	C	95	B				
16	D	56	A	96	C				
17	D	57	B	97	A				
18	A	58	A	98	C				
19	D	59	B	99	A				
20	A	60	B	100	C				
21	A	61	A						
22	B	62	D						
23	C	63	A						
24	A	64	A						
25	B	65	C						
26	B	66	B						
27	C	67	A						
28	D	68	D						
29	D	69	B						
30	D	70	C						
31	A	71	C						
32	A	72	D						
33	B	73	B						
34	B	74	A						
35	A	75	B						
36	C	76	B						
37	A	77	D						
38	A	78	B						
39	C	79	C						
40	C	80	C						

TAMIL NADU PUBLIC SERVICE COMMISSION
CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
Subject Code: CHE_GK_022015
Subject Name: GENERAL STUDIES (DEGREE STANDARD)
VERSION KEY - VERSION9

DOE: 26.04.2015 FN & AN
Marks: 200

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	B	41	C	81	C				
2	A	42	A	82	D				
3	C	43	B	83	A				
4	C	44	A	84	C				
5	C	45	B	85	B				
6	C	46	B	86	C				
7	A	47	A	87	B				
8	A	48	A	88	D				
9	A	49	C	89	B				
10	C	50	B	90	D				
11	B	51	D	91	D				
12	A	52	D	92	A				
13	D	53	B	93	D				
14	B	54	C	94	C				
15	ALL	55	B	95	B				
16	C	56	D	96	D				
17	B	57	A	97	A				
18	B	58	A	98	C				
19	C	59	C	99	B				
20	D	60	C	100	D				
21	B	61	A						
22	C	62	C						
23	B	63	D						
24	C	64	A						
25	A	65	C						
26	B	66	A						
27	B	67	A						
28	B	68	B						
29	C	69	C						
30	B	70	A						
31	D	71	C						
32	A	72	D						
33	C	73	C						
34	A	74	D						
35	C	75	B						
36	B	76	C						
37	A	77	A						
38	B	78	A						
39	A	79	C						
40	B	80	D						

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_GK_022015
 Subject Name: GENERAL STUDIES (DEGREE STANDARD)

DOE: 26.04.2015 FN & AN
 Marks: 200

VERSION KEY - VERSION10

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	ALL	41	C	81	B				
2	B	42	B	82	A				
3	B	43	B	83	C				
4	C	44	B	84	D				
5	B	45	A	85	B				
6	A	46	A	86	A				
7	A	47	A	87	C				
8	C	48	B	88	D				
9	D	49	C	89	B				
10	D	50	C	90	B				
11	C	51	A	91	A				
12	D	52	C	92	C				
13	D	53	D	93	B				
14	C	54	C	94	C				
15	D	55	A	95	A				
16	A	56	C	96	C				
17	C	57	B	97	C				
18	B	58	C	98	B				
19	A	59	B	99	B				
20	B	60	C	100	A				
21	A	61	C						
22	C	62	B						
23	A	63	B						
24	D	64	C						
25	B	65	D						
26	B	66	A						
27	D	67	A						
28	C	68	D						
29	D	69	B						
30	A	70	C						
31	A	71	A						
32	B	72	C						
33	B	73	A						
34	D	74	D						
35	A	75	C						
36	A	76	B						
37	A	77	B						
38	C	78	C						
39	C	79	A						
40	D	80	D						

TAMIL NADU PUBLIC SERVICE COMMISSION
CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
Subject Code: CHE_GK_022015
Subject Name: GENERAL STUDIES (DEGREE STANDARD)

DOE: 26.04.2015 FN & AN
Marks: 200

VERSION KEY - VERSION11

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	C	41	C	81	A				
2	C	42	B	82	D				
3	C	43	C	83	D				
4	D	44	C	84	A				
5	D	45	A	85	D				
6	A	46	C	86	A				
7	D	47	B	87	A				
8	A	48	D	88	C				
9	C	49	B	89	C				
10	B	50	C	90	C				
11	A	51	B	91	A				
12	A	52	C	92	B				
13	B	53	B	93	C				
14	A	54	B	94	C				
15	B	55	A	95	B				
16	A	56	D	96	B				
17	C	57	A	97	C				
18	A	58	B	98	A				
19	D	59	B	99	C				
20	D	60	ALL	100	B				
21	B	61	D						
22	D	62	D						
23	C	63	C						
24	A	64	C						
25	B	65	A						
26	C	66	A						
27	D	67	A						
28	C	68	A						
29	A	69	B						
30	B	70	D						
31	B	71	A						
32	D	72	B						
33	D	73	A						
34	C	74	A						
35	C	75	C						
36	A	76	B						
37	B	77	B						
38	B	78	C						
39	B	79	C						
40	B	80	C						

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_GK_022015
 Subject Name: GENERAL STUDIES (DEGREE STANDARD)
 VERSION KEY - VERSION12

DOE: 26.04.2015 FN & AN
 Marks: 200

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	D	41	D	81	B				
2	B	42	B	82	C				
3	C	43	C	83	B				
4	D	44	C	84	C				
5	B	45	C	85	A				
6	C	46	A	86	D				
7	C	47	C	87	B				
8	D	48	C	88	C				
9	B	49	A	89	B				
10	A	50	A	90	C				
11	A	51	B	91	C				
12	D	52	D	92	B				
13	B	53	B	93	B				
14	D	54	A	94	B				
15	D	55	A	95	C				
16	A	56	A	96	C				
17	B	57	D	97	D				
18	A	58	C	98	A				
19	D	59	B	99	B				
20	D	60	C	100	C				
21	B	61	C						
22	A	62	C						
23	A	63	D						
24	B	64	C						
25	A	65	A						
26	A	66	C						
27	A	67	B						
28	B	68	C						
29	B	69	A						
30	B	70	C						
31	B	71	D						
32	A	72	A						
33	C	73	A						
34	A	74	C						
35	B	75	D						
36	C	76	ALL						
37	D	77	C						
38	B	78	B						
39	A	79	C						
40	A	80	A						

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_GK_022015
 Subject Name: GENERAL STUDIES (DEGREE STANDARD)

DOE: 26.04.2015 FN & AN
 Marks: 200

VERSION KEY - VERSION13

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	B ✓	41	C ✓	81	D ✓				
2	D ✓	42	C ✓	82	A ✓				
3	B ✓	43	B ✓	83	C ✓				
4	C ✓	44	C ✓	84	B ✓				
5	A ✓	45	B ✓	85	B ✓				
6	A ✓	46	A ✓	86	D ✓				
7	D ✓	47	A ✓	87	A ✓				
8	B ✓	48	D ✓	88	C ✓				
9	A ✓	49	D ✓	89	C ✓				
10	C ✓	50	B ✓	90	A ✓				
11	A ✓	51	B ✓	91	C ✓				
12	D ✓	52	A ✓	92	C ✓				
13	A ✓	53	D ✓	93	C ✓				
14	B ✓	54	A ✓	94	A ✓				
15	D ✓	55	C ✓	95	C ✓				
16	D ✓	56	B ✓	96	A ✓				
17	C ✓	57	B ✓	97	C ✓				
18	C ✓	58	C ✓	98	B ✓				
19	A ✓	59	D ✓	99	D ✓				
20	B ✓	60	D ✓	100	C ✓				
21	B ✓	61	C ✓						
22	C ✓	62	B ✓						
23	B ✓	63	A ✓						
24	B ✓	64	A ✓						
25	B ✓	65	D ✓						
26	D ✓	66	C ✓						
27	C ✓	67	A ✓						
28	A ✓	68	A ✓						
29	D ✓	69	B ✓						
30	B ✓	70	ALL ✓						
31	A ✓	71	A ✓						
32	B ✓	72	A ✓						
33	A ✓	73	C ✓						
34	C ✓	74	C ✓						
35	C ✓	75	B ✓						
36	C ✓	76	A ✓						
37	A ✓	77	B ✓						
38	C ✓	78	B ✓						
39	C ✓	79	B ✓						
40	D ✓	80	B ✓						

TAMIL NADU PUBLIC SERVICE COMMISSION
CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
Subject Code: CHE_GK_022015
Subject Name: GENERAL STUDIES (DEGREE STANDARD)
VERSION KEY - VERSION14

DOE: 26.04.2015 FN & AN
Marks: 200

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	A	41	B	81	B				
2	A	42	C	82	D				
3	C	43	D	83	A				
4	A	44	C	84	A				
5	C	45	B	85	C				
6	A	46	A	86	D				
7	C	47	B	87	A				
8	B	48	A	88	A				
9	B	49	C	89	C				
10	D	50	C	90	B				
11	D	51	D	91	B				
12	C	52	D	92	D				
13	B	53	B	93	D				
14	C	54	B	94	B				
15	B	55	A	95	B				
16	B	56	B	96	B				
17	B	57	D	97	B				
18	A	58	D	98	B				
19	A	59	B	99	D				
20	B	60	C	100	C				
21	B	61	C						
22	A	62	B						
23	B	63	A						
24	A	64	C						
25	C	65	A						
26	C	66	A						
27	A	67	C						
28	D	68	B						
29	C	69	ALL						
30	A	70	C						
31	C	71	A						
32	C	72	C						
33	D	73	A						
34	C	74	C						
35	C	75	A						
36	C	76	C						
37	C	77	D						
38	B	78	A						
39	A	79	D						
40	A	80	D						

TAMIL NADU PUBLIC SERVICE COMMISSION
CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
Subject Code: CHE_GK_022015
Subject Name: GENERAL STUDIES (DEGREE STANDARD)

DOE: 26.04.2015 FN & AN
Marks: 200

VERSION KEY - VERSION15

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	D	41	A	81	B				
2	C	42	B	82	A				
3	D	43	C	83	B				
4	A	44	D	84	A				
5	A	45	A	85	C				
6	A	46	B	86	B				
7	A	47	C	87	C				
8	B	48	A	88	C				
9	A	49	A	89	C				
10	B	50	B	90	C				
11	ALL	51	C	91	B				
12	D	52	B	92	A				
13	C	53	A	93	D				
14	B	54	B	94	C				
15	A	55	C	95	C				
16	B	56	B	96	C				
17	C	57	A	97	B				
18	C	58	D	98	C				
19	B	59	D	99	D				
20	D	60	A	100	C				
21	C	61	A						
22	A	62	A						
23	C	63	B						
24	D	64	B						
25	D	65	A						
26	C	66	D						
27	A	67	C						
28	C	68	B						
29	A	69	C						
30	D	70	A						
31	A	71	C						
32	C	72	D						
33	D	73	B						
34	B	74	B						
35	D	75	B						
36	B	76	A						
37	B	77	A						
38	C	78	D						
39	B	79	C						
40	C	80	B						

TAMIL NADU PUBLIC SERVICE COMMISSION
 CHEMIST IN THE TAMIL NADU INDUSTRIES SUBORDINATE SERVICE
 Subject Code: CHE_GK_022015
 Subject Name: GENERAL STUDIES (DEGREE STANDARD)

DOE: 26.04.2015 FN & AN
 Marks: 200

VERSION KEY - VERSION16

S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key
1	D ✓	41	C ✓	81	A ✓				
2	B ✓	42	D ✓	82	A ✓				
3	B ✓	43	B ✓	83	C ✓				
4	C ✓	44	B ✓	84	D ✓				
5	D ✓	45	A ✓	85	B ✓				
6	C ✓	46	B ✓	86	A ✓				
7	C ✓	47	B ✓	87	B ✓				
8	D ✓	48	B ✓	88	A ✓				
9	D ✓	49	C ✓	89	C ✓				
10	C ✓	50	D ✓	90	A ✓				
11	B ✓	51	A ✓	91	B ✓				
12	C ✓	52	C ✓	92	A ✓				
13	B ✓	53	C ✓	93	D ✓				
14	C ✓	54	A ✓	94	D ✓				
15	A ✓	55	A ✓	95	D ✓				
16	B ✓	56	A ✓	96	C ✓				
17	C ✓	57	C ✓	97	B ✓				
18	A ✓	58	A ✓	98	A ✓				
19	B ✓	59	C ✓	99	B ✓				
20	C ✓	60	B ✓	100	C ✓				
21	C ✓	61	B ✓						
22	A ✓	62	B ✓						
23	C ✓	63	C ✓						
24	C ✓	64	B ✓						
25	A ✓	65	A ✓						
26	A ✓	66	B ✓						
27	C ✓	67	C ✓						
28	B ✓	68	A ✓						
29	ALL ✓	69	C ✓						
30	D ✓	70	B ✓						
31	A ✓	71	A ✓						
32	A ✓	72	D ✓						
33	C ✓	73	D ✓						
34	C ✓	74	B ✓						
35	B ✓	75	D ✓						
36	D ✓	76	B ✓						
37	A ✓	77	A ✓						
38	B ✓	78	A ✓						
39	C ✓	79	D ✓						
40	D ✓	80	C ✓						