DEPARTMENT OF CHEMISTRY

COURSE OUTCOME

CO1. Identify the terms and processes involved in scientific and engineering applications
CO2. Explain the phenomena of chemistry to describe the methods of engineering processes
CO3. Solve for the problems in chemistry that are pertinent in engineering applications
CO4. Apply the basic concepts of chemistry to explain the chemical properties and processes
CO5. Analyze properties and processes associated with chemical substances in multidisciplinary situations

PROGRAM OUTCOMES

PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

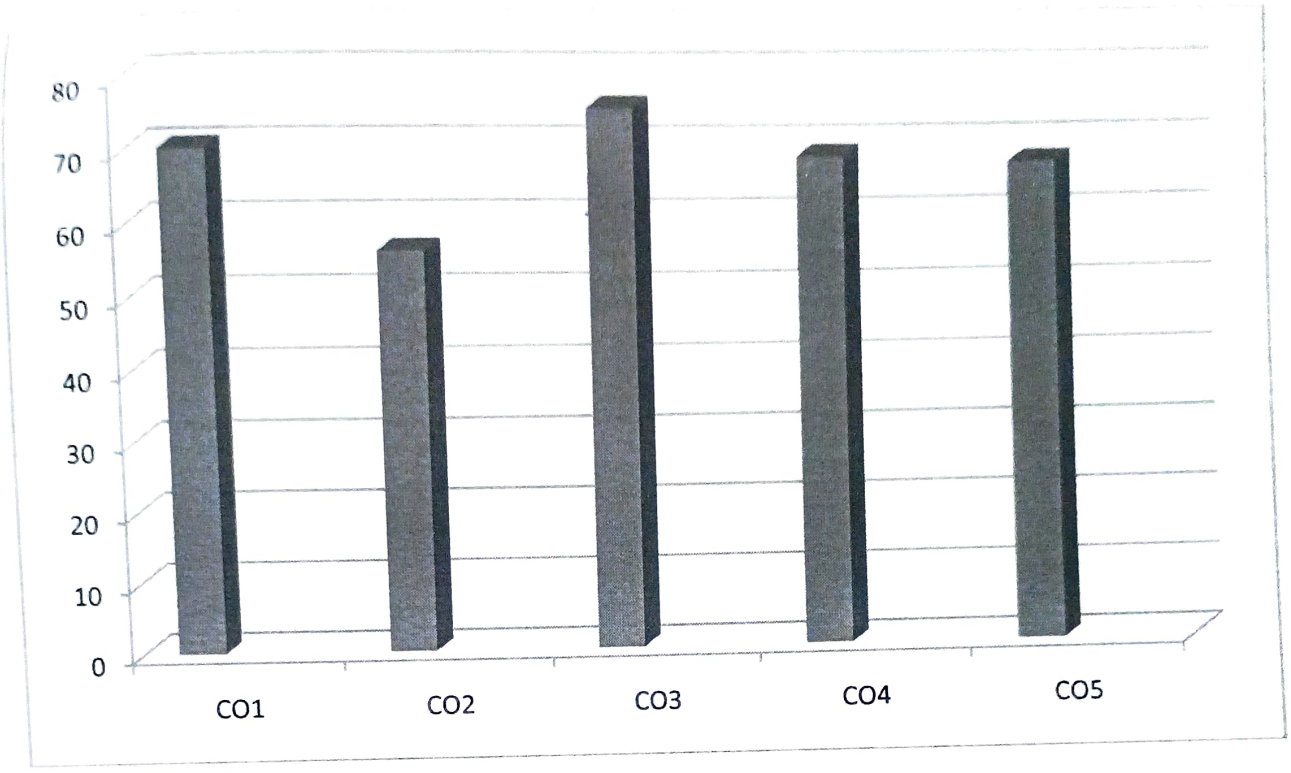
NAME OF THE COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU				
FACULTY NAME	Dr. CHANDRASEKHAR. N / Ms. MANASA/ Mr SUDHAKAR				
ACADEMIC YEAR	2022-23				
COURSE	B.E	SEMESTER	I	SECTION	D, E & F
SUBJECT	CHEMISTRY FOR COMPUTER SCIENCE STREAM			SUBJECT CODE	22CHES12

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	-	1	-	1	1	1	1		1
CO2	3	1	1	-		-	1	1	1	1		1
CO3	3	1	1	2		1	1	1	1	1		1
CO4	3	1	1	2		-	1	1	1	1		1
CO5	3	1	1	-		1	1	1	1	1		1
AVERAGE	3	1	1	2	1	1	1	1	1	1		1
											OVERALL MAPPING OF SUBJECT	1.16

CO AND PO ATTAINMENT

		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	70.27	2.11	0.7	0.7		0.7		0.7	0.7	0.7	0.7		0.7
CO2	56.12	1.68	0.56	0.56				0.56	0.56	0.56	0.56		0.56
CO3	75.38	2.26	0.75	0.75	1.5		0.75	0.75	0.75	0.75	0.75		0.75
CO4	68.67	2.06	0.68	0.68	1.37			0.68	0.68	0.68	0.68		0.68
CO5	67.66	2.02	0.67	0.67			0.67	0.67	0.67	0.67	0.67		0.67
AVERAGE	67.62	2.026	0.672	0.672	1.435	0.7	0.71	0.672	0.672	0.672	0.672		0.672
												FINAL ATTAINMENT LEVEL	0.88



FACULTY
(Mr. SUDHAKAR)

HOD
(Dr. CHANDRASEKHAR.N)

PRINCIPAL
(Dr. NARENDRAVISWANATH)

PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING AND TECHNOLOGY
TUMKUR - 572106.

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMKUR

Academic year: 2022-23 | SEM: I | Total strength: 164 | Subject: Engg. Chemistry | Subject Code: 18CHE12

USN	IA TEST 1 (40M)			IA TEST 2 (40M)			IA TEST 3 (100M)					ASSIGNEMENT (10M)				SEE MARKS(50M)						Total Cos ATTAINMENT					Avg of individual CO				
	CO3	CO1	TOTAL	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5	CO1=52	CO2=32	CO3=72	CO4=52	CO5=32	CO1	CO2	CO3	CO4	CO5
1SV22AD001	20	20	40	16	13	29	15	15	19	12	20	85	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	41.2	25.2	61.2	31.2	25.2	79.23077	78.75	85	60	81.875
1SV22AD002	19	20	39	18	17	35	20	19	20	20	20	99	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	49.6	28.8	66.6	46.6	29.6	95.38462	90.375	92.5	89.61538	92.5
1SV22AD003	17	16	33	14	10	24	17	12	17	16	18	80	2	2	2	2	2	4	4	4	4	4	39	16	56	32	24	75	56.25	75	61.53846	75
1SV22AD004	4	4	8	13	9	22	13	6	15	8	8	33	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	20.2	9.2	32.2	24.2	10.2	38.84615	28.75	44.72222	46.53846	31.875
1SV22AD005	19	20	39	20	20	40	20	20	20	18	20	98	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	49.8	30.8	70.8	43.8	29.8	95.76923	96.25	97.77778	84.23077	93.125
1SV22AD006	11	15	26	10	6	16	18	3	18	7	8	54	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	39.6	9.6	45.6	19.6	14.6	76.15385	30	63.33333	37.69231	45.625
1SV22AD007	8	6	14	0	0	0	2	1				3	2	2	2	2	2	0.8	0.8	0.8	0.8	0.8	10.8	2.8	11.8	2.8	2.8	20.76923	8.75	16.38889	5.384615	8.75
1SV22AD007	16	16	32	15	19	34	16	11	20	18	20	85	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	40.2	19.2	59.2	45.2	29.2	77.30769	60	82.22222	86.92308	88.125
1SV22AD008	16	17	33			0						0	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	20.6	2.6	19.6	3.6	3.6	39.61538	11.25	27.22222	6.923077	11.25
1SV22AD009	16	20	36	14	20	34	11	0	18	13	5	47	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	36.6	5.6	53.6	38.6	10.6	70.38462	17.5	74.44444	74.23077	33.125
1SV22AD010	13	17	31	17	12	29	6	0	14	6	18	44	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	27.2	4.2	40.2	22.2	22.2	52.30769	13.125	68.33333	42.69231	69.375
1SV22AD011	11	14	25	15	14	29	8	15	17	18	16	74	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	28.4	21.4	49.4	38.4	22.4	54.61538	66.875	68.61111	73.84615	70
1SV22AD012	10	9	19	19	5	24	12	0	12	10	1	35	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	25.4	4.4	45.4	19.4	5.4	48.84615	13.75	63.05556	37.30769	16.875
1SV22AD013	20	19	39	19	20	39	17	19	20	19	16	91	2	2	2	2	2	4	4	4	4	4	42	25	65	45	22	80.76923	78.125	90.27778	86.53846	68.75
1SV22AD014	19	20	39	19	18	37	17	19	20	19	19	94	2	2	2	2	2	8.2	8.2	8.2	8.2	8.2	47.2	29.2	68.2	47.2	29.2	90.76923	91.25	94.72222	90.76923	91.25
1SV22AD015	20	20	40	20	19	39	20	20	20	19	19	98	2	2	2	2	2	8.6	8.6	8.6	8.6	8.6	50.6	30.6	70.6	48.6	29.6	97.30769	95.625	98.05556	93.46154	92.5
1SV22AD016	18	15	33	15	19	34	13	10	14	14	19	70	2	2	2	2	2	6	6	6	6	6	36	18	55	41	27	69.23077	56.25	76.38889	78.84615	84.375
1SV22AD017	17	20	37	14	19	33	14	13	18	18	14	77	2	2	2	2	2	6	6	6	6	6	42	21	57	45	22	80.76923	65.625	79.15667	86.53846	68.75
1SV22AD018	11	3	14	3	10	13						0	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	18.6	5.6	33.6	9.6	5.6	35.76923	17.5	46.66667	18.46154	17.5
1SV22AD019	20	20	40	20	20	40	20	2	20	19	18	79	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	47.8	9.8	67.8	46.8	25.8	91.92308	30.625	94.16667	90	80.625
1SV22AD020	14	13	27	14	4	18						0	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	17.4	4.4	32.4	8.4	4.4	33.46154	13.75	45	16.15385	13.75
1SV22AD021	9	15	24	17	11	28	12	0	12	19	11	54	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	33.6	6.6	44.6	36.6	17.6	64.61538	20.625	61.94444	70.38462	55
1SV22AD022	15	16	31	14	18	32	19	4	16	17	14	70	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	41.8	10.8	51.8	41.8	20.8	80.38462	33.75	71.94444	80.38462	65
1SV22AD023	18	16	34	19	17	36						0	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	20.6	4.6	41.6	21.6	4.6	39.61538	14.375	57.77778	41.53846	14.375
1SV22AD024	20	19	39	20	19	39	20	20	20	19	19	98	2	2	2	2	2	9	9	9	9	9	50	31	71	49	30	96.15385	96.875	98.61111	94.23077	93.75
1SV22AD025	19	19	38	19	20	39	19	19	17	19	18	92	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	45.2	26.2	62.2	46.2	25.2	86.92308	81.875	86.38889	88.84615	78.75
1SV22AD026	19	20	39	20	14	34	16	19	18	19	19	91	2	2	2	2	2	7	7	7	7	7	45	28	66	42	28	86.53846	87.5	91.66667	80.76923	87.5
1SV22AD027	19	20	39	20	20	40	20	17	18	19	17	91	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	50.8	27.8	67.8	49.8	27.8	97.69231	86.875	94.16667	95.76923	86.875
1SV22AD028	19	20	39	16	16	32	20	20	19	18	18	95	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	48.6	28.6	62.6	42.6	26.6	93.46154	89.375	86.94444	81.92308	83.125
1SV22AD029	18	10	28	17	11	28	7	0	9	10	2	28	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	22.6	5.6	49.6	26.6	7.6	43.46154	17.5	68.88889	51.15385	23.75
1SV22AD030	19	17	36	18	17	35	19	12	14	15	16	76	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	43.4	19.4	58.4	39.4	23.4	83.46154	60.625	81.11111	75.76923	73.125
1SV22AD031	6	6	12	4	11	15						0	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	13.8	7.8	17.8	18.8	7.8	26.53846	24.375	24.72222	36.15385	24.375
1SV22AD032	18	9	27	16	20	36	11	1	14	10	12	48	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	27.6	8.6	55.6	37.6	19.6	53.07692	26.875	77.22222	72.30769	61.25
1SV22AD033	2	6	8	13	13	26	10	0	13	5	17	45	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	20.4	4.4	32.4	22.4	21.4	39.23077	13.75	45	43.07692	66.875
1SV22AD034	20	20	40	20	19	39	19	19	19	20	18	95	2	2	2	2	2	8	8	8	8	8	49	29	69	49	28	94.23077	90.625	95.83333	94.23077	87.5
1SV22AD035	20	20	40	17	19	36	18	14	19	12	18	81	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	45.6	21.6	63.6	38.6	25.6	87.69231	67.5	88.33333	74.23077	80
1SV22AD036	16	19	35	18	12	30	13	17	18	17	7	72	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	40.2	25.2	60.2	37.2	15.2	77.30769	78.75	83.61111	71.53846	47.5
1SV22AD037	15	5	20	11	8	19	19	0	17	16	0	52	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	28.8	4.8	47.8	28.8	4.8	55.38462	15	66.38889	55.38462	15
1SV22AD038	15	17	32	18	18	36	12	10	19	13	15	69	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	34.6	15.6	57.6	36.6	20.6	66.53846	48.75	80	70.38462	64.375
1SV22AD039	18	17	35	18	20	38	14	0	14	13	18	59	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	37.6	6.6	56.6	39.6	24.6	72.30769	20.625	78.61111	76.15385	76.875
1SV22AD040	17	20	37	16	20	36	17	0	20	20	19	76	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	45.2	8.2	61.2	48.2	27.2	86.92308	25.625	85	92.69231	85
1SV22AD041	20	20	40	18	20	38	18	18	19	19	20	94	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	46.8	26.8	65.8	47.8	28.8	90	83.75	91.38889	91.92308	90
1SV22AD042	20	20	40	17	19	36	20	19	16	20	20	95	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	48.6	27.6	61.6	47.6	28.6	93.46154	86.25	85.55556	91.53846	89.375
1SV22AD043	17	17	34	13	9	22	9	8	14	16	16	63	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	31.6	13.6	49.6	30.6	21.6	60.76923	42.5	68.88889	58.84615	67.5
1SV22AD044	18	18	36	18	17	35	18	13	16	13	20	80	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	44.2	21.2	60.2	38.2	28.2	85	66.25	83.61111	73.46154	88.125
1SV22AD045	19	19	38	2	1	3	8	4	7	3	20	42	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	32.6	9.6	33.6	9.6	25.6	62.69231	30	46.66667	18.46154	80
1SV22AD046	20	20	40	20	20	40	13	13	15	14	14	69	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	41.6	21.6	63.6	42.6	22.6	80	67.5	88.33333	81.92308	70.625
1SV22AD047	18	20	38	17	13	30	15	0	20	13	18	66	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	41.4	6.4	61.4	32.4	24.4	79.61538	20	85.27778	62.30769	76.25
1SV22AD048	20	20	40	19	19	38	20	0	20	20	13	73	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	48.8	8.8	67.8	47.8	21.8	93.84615	27.5	94.16667	91.92308	68.125
1SV22AD049	8	6	14	8	6	14						0	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	10.4	4.4	20.4	10.4	4.4	20	13.75	28.33333	20	13.75
1SV22AD050	0	13	13	1	1	2						0	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	17.4	4.4	5.4	5.4	4.4	33.46154	13.75	7.5	10.38462	13.75
1SV22AD051	20	20	40	18	20	38	19	19	19	20	19	96	2	2	2	2	2	7	7	7	7	7	48	28	66	49	28	92.30769	87.5	91.66667	94.23077	87.5
1SV22AD052	20	20	40	18	18	36	20	18	19	20	17	94	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	49.8	27.8	66.8	47.8	26.8	95.76923	86.875	92.77778	91.92308	83.75
1SV22AD053	19	20	39	19	20	39	20	17	18	20	18	93	2	2	2	2	2	6	6	6	6	6	48	25	64	48	26	92.30769	78.125	88.88889	92.30769	81.25
1SV22AD054	17	19	36	11	13	24	13	0	13	17	19	62	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	36.4	4.4	45.4	34.4	23.4	70	13.75	63.05556	66.15385	73.125
1SV22AD055	10	18	28	18	7	25	17	0	13	5	19	54	2	2	2	2	2	6	6	6	6	6	43	8	49	20	27	82.69231	25	68.05556	38.46154	84.375

1SV22AD056	19	19	36	18	18	36	20	19	16	18	20	93	2	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	32.6	24.6	58.6	41.5	25.6	81.92308	76.875	81.38889	80	80
1SV22AD057	19	19	35	16	19	35	20	9	7	15	19	44	2	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	46.8	15.8	49.8	49.8	19.8	80	69.375	69.16667	78.46154	61.875
1SV22AD058	19	20	39	20	20	40	20	20	19	20	20	99	2	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	46.6	26.6	64.6	46.6	26.6	83.61538	74.125	89.72222	89.61538	83.125
1SV22AD059	20	20	40	20	19	39	19	19	20	20	19	97	2	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	47.6	27.6	68.6	47.6	27.6	92.53846	83.25	95.27778	91.53846	86.25
1SV22AD060	19	19	38	20	18	38	20	20	20	20	19	99	2	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	40.2	20.2	64.2	32.2	26.2	77.37769	69.125	89.16667	61.92308	81.875
1SV22AD061	19	20	39	18	20	38	20	20	20	20	19	99	2	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	48.6	28.6	65.6	48.6	27.6	93.46154	89.375	91.11111	93.46154	86.25
1SV22AD062	19	19	38	20	19	39	16	7	20	20	20	93	2	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	37.6	5.6	54.6	28.6	16.6	72.30769	17.5	75.83333	55	55.125
1SV22IS001	20	20	40	16	20	39	20	19	20	20	20	98	2	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	43.4	15.4	67.4	47.4	13.4	84.46154	68.125	93.61111	91.15385	61.875
1SV22IS002	20	19	39	19	20	39	20	19	20	20	20	98	2	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	46.8	24.8	65.8	46.8	26.8	90	73.5	91.38889	90	80.75
1SV22IS003	14	20	34	20	20	40	20	20	20	20	19	99	2	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	38.6	7.6	61.6	29.6	13.6	74.23077	25.75	85.55556	55	42.5
1SV22IS004	20	20	40	19	18	37	19	20	19	20	20	98	2	2	2	2	2	2	5	5	5	5	5	47	27	61	47	26	90.38462	84.375	84.72222	90.38462	81.25
1SV22IS005	17	20	37	10	10	20	10	6	15	11	14	56	2	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	45.8	26.8	55.8	42.8	17.8	88.07692	83.75	77.5	82.37769	58.625
1SV22IS006	15	13	28	9	11	20	19	20	20	20	13	92	2	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	35.8	11.8	47.8	26.8	19.8	68.84615	36.875	66.38889	51.53846	61.875
1SV22IS007	18	17	35	18	17	35	20	20	20	20	12	92	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	38.2	26.2	50.2	37.2	19.2	73.46154	61.875	69.72222	71.53846	60
1SV22IS008	8	16	24	18	15	33	17	0	6	8	20	51	2	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	43.6	26.6	62.6	43.6	18.6	83.84615	83.125	86.94444	83.84615	58.125
1SV22IS009	17	18	35	14	11	25	13	1	18	13	20	65	2	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	39.8	6.8	38.8	29.8	26.8	76.53846	21.25	53.88889	57.30769	83.75
1SV22IS010	20	20	40	10	16	26	20	20	18	20	20	98	2	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	35.8	5.8	53.8	28.8	24.8	68.84615	18.125	74.72222	55.38462	77.5
1SV22IS011	20	20	40	19	20	39	20	18	19	20	18	95	2	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	48.4	28.4	56.4	44.4	28.4	93.07692	88.75	78.33333	85.38462	88.75
1SV22IS012	20	18	38	20	20	40	14	0	20	20	12	66	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	46.2	24.2	64.2	46.2	24.2	88.84615	75.625	89.16667	88.84615	75.625
1SV22IS013	12	19	31	14	6	20	14	6	20	18	13	71	2	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	38.4	6.4	66.4	46.4	18.4	73.84615	20	92.22222	89.23077	57.5
1SV22IS014	17	20	37	18	20	38	13	8	13	13	15	62	2	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	38.6	11.6	51.6	29.6	18.6	74.23077	36.25	71.66667	56.92308	58.125
1SV22IS015	20	19	39	18	19	37	18	16	20	13	17	84	2	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	38.6	13.6	53.6	38.6	20.6	74.23077	42.5	74.44444	74.23077	54.375
1SV22IS016	7	10	17	11	6	17	10	0	12	6	13	41	2	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	44.8	23.8	65.8	39.8	24.8	86.15385	74.375	91.38889	76.53846	77.5
1SV22IS017	3	20	23	10	12	22	6	6		6	6	24	2	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	25.6	5.6	35.6	17.6	18.6	49.23077	17.5	49.44444	33.84615	58.125
1SV22IS018	20	20	40	20	20	40	20	20	20	20	18	98	2	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	29.2	9.2	16.2	21.2	9.2	56.15385	28.75	22.5	40.76923	28.75
1SV22IS019	19	18	37	16	17	33	20	14	18	17	19	88	2	2	2	2	2	2	6	6	6	6	6	48	28	68	48	26	92.30769	87.5	94.44444	92.30769	81.25
1SV22IS020	16	20	36	20	20	40	14	16	18	19	18	85	2	2	2	2	2	2	8.2	8.2	8.2	8.2	8.2	48.2	24.2	63.2	44.2	29.2	92.69231	75.625	87.77778	85	91.25
1SV22IS021	20	20	40	20	20	40	14	0	20	20	20	74	2	2	2	2	2	2	8.6	8.6	8.6	8.6	8.6	44.6	26.6	64.6	49.6	28.6	85.76923	83.125	89.72222	95.38462	89.375
1SV22IS022	18	19	37	18	18	36	20	20	18	19	19	96	2	2	2	2	2	2	6	6	6	6	6	42	8	68	48	28	80.76923	25	94.44444	92.30769	87.5
1SV22IS023	19	20	39	19	19	38	20	20	20	20	20	100	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	45.2	26.2	60.2	43.2	25.2	86.92308	81.875	83.61111	83.07692	78.75
1SV22IS024	18	20	38	18	18	36	15	20	20	20	20	95	2	2	2	2	2	2	6	6	6	6	6	48	28	66	47	28	92.30769	87.5	91.66667	90.38462	87.5
1SV22IS025	20	20	40	19	13	32					0	2	2	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	43.4	28.4	64.4	46.4	28.4	83.46154	88.75	89.44444	89.23077	88.75
1SV22IS026	20	17	37	14	18	32	13	11	20	19	10	73	2	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	27.4	7.4	46.4	20.4	7.4	52.69231	23.125	64.44444	39.23077	23.125
1SV22IS027	8	14	22	16	17	33	20	13	10	17	18	78	2	2	2	2	2	2	6	6	6	6	6	38	19	62	45	18	73.07692	59.375	86.11111	86.53846	56.25
1SV22IS028	19	18	37	20	20	40	12	20	20	20	20	92	2	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	39.6	18.6	39.6	39.6	23.6	76.15385	58.125	55	76.15385	73.75
1SV22IS029	9	17	26	9	11	20	20	18	18	18	20	94	2	2	2	2	2	2	4	4	4	4	4	36	26	65	46	26	69.23077	81.25	90.27778	88.46154	81.25
1SV22IS030	13	19	32	8	14	22	18	7	19	6	19	69	2	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	41.6	22.6	40.6	33.6	24.6	80	70.625	56.38889	64.61538	76.875
1SV22IS031	15	19	34	20	19	39	19	10	18	13	13	73	2	2	2	2	2	2	8.4	8.4	8.4	8.4	8.4	47.4	17.4	50.4	30.4	29.4	91.15385	54.375	70	58.46154	91.875
1SV22IS032	20	20	40	19	20	39	20	20	20	20	20	100	2	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	44.8	16.8	59.8	38.8	19.8	86.15385	52.5	83.05556	74.61538	61.875
1SV22IS033	20	20	40	20	20	40	20	20	20	20	20	100	2	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	49.8	29.8	68.8	49.8	29.8	95.76923	93.125	95.55556	95.76923	93.125
1SV22IS034	13	17	30	15	14	29	17	4	17	11	20	69	2	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	50.8	30.8	70.8	50.8	30.8	97.69231	96.25	98.33333	97.69231	96.25
1SV22IS035	20	20	40	20	20	40	20	20	20	20	20	100	2	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	38.2	8.2	49.2	29.2	24.2	73.46154	25.625	68.33333	56.15385	75.625
1SV22IS036	19	19	38	19	11	30	19	17	18	16	18	88	2	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	49.2	29.2	69.2	49.2	29.2	94.61538	91.25	96.11111	94.61538	91.25
1SV22IS037	13	18	31	13	4	17	8	1	14	6	11	40	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	44.2	23.2	62.2	33.2	24.2	85	72.5	86.38889	63.84615	75.625
1SV22IS038	20	20	40	19	20	39	20	20	20	19	20	99	2	2	2	2	2	2	1	1	1	1	1	29	4	43	13	14	55.76923	12.5	59.72222	25	43.75
1SV22IS039	15	19	34	19	19	38	13	2	13	12	14	54	2	2	2	2	2	2	6	6	6	6	6	48	28	67	47	28	92.30769	87.5	93.05556	90.38462	87.5
1SV22IS040	19	17	36	14	19	33	20	20	19	20	13	92	2	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	38.8	8.8	53.8	37.8	20.8	74.61538	27.5	74.72222	72.69231	65
1SV22IS041	13	14	27	11	10	21	9	16	12	15	4	56	2	2	2	2	2	2	5	5	5	5	5	44	27	59	46	20	84.61538	84.375	81.94444	88.46154	62.5
1SV22IS042	6	17	23	11	11	22	12	0	13	9	16	50	2	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	27.2	20.2	40.2	29.2	8.2	52.30769	63.125	55.83333	56.15385	25.625
1SV22IS043	20	20	40	20	20	40	20	19	20	20	14	93	2	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	46.8	25.8	66.8	46.8	20.8	90	80.625	92.77778	90	65
1SV22IS044	20	20	40	17	20	37	19	4	20	19	20	82	2	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	46.8	11.8	64.8	46.8	27.8	90	36.875	90	90	86.875
1SV22IS045	15	16	31	17	14	31	19	6	7	15	13	60	2	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	38.8	9.8	42.8	32.8	16.8	74.61538	30.625	59.44444	63.07692	52.5
1SV22IS046	20	20	40	19	18	37	16	18	19	18	18	89	2	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	44.2	26.2	66.2	44.2	26.2	85	81.875	91.94444	85	81.875
1SV22IS047	20	20	40	20	20	40	20	20	19	20	20	99	2	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	48.6	28.6	67.6	48.6	28.6	93.46154	89.375	93.88889	93.46154	89.375
1SV21IS020	12	6	18	20	20	40	17	10	5	2	0	34	1	1	1	1	1	1	1.6	1.6	1.6	1.6	1.6	25.6	12.6	39.6	24.6	2.6	49.23077	39.375	55	47.30769	8.125
1SV22EC001	8	18	26	18	19	37	15	12	11	20	11	69	2	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	39.8	18.8	43.8	45.8	17.8	76.53846	58.75	60.83333	88.07692	55.625
1SV22EC002	18		18	14	10	24	9	9	19	0	16	53	2	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	15.4	15.4	57.4	16.4	22.4	29.61538	48.125	79.72222	31.53846	70
1SV22EC003	6	20	26	20	18	38					0	2	2	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	25.8	5.8	31.8	23.8	5.8	49.61538	18.125	44.16667	45.76923	18.125
1SV22EC004	20	5	25	11	20	31	12	20	19	12	19	82	2	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	24.6	27.6	57.6	39.6	26.6	47.30769	86.25	80	76.15385	83.125

1SV22EC005			**0**	20	13	**33**	11	10	7		19	47	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	16.6	15.6	32.6	18.6	24.6	31.92308	48.75	45.27778	35.76923	75.875
1SV22EC006	20	19	**39**	20	20	**40**	12	15	22	20	20	85	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	39.8	21.8	68.8	43.8	28.8	76.53846	68.125	95.55556	93.84615	90
1SV22EC007	15	14	**32**	19	9	**28**	3	5	14	7	15	44	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	23.2	11.2	57.2	22.2	21.2	44.61538	35	79.44444	42.69231	56.25
1SV22EC008	13	4	**17**	17	7	**24**	0	0	20	13	15	48	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	9.6	5.6	55.6	25.6	20.6	18.46154	17.5	77.22222	49.23077	84.375
1SV22EC009	14	11	**25**	19	20	**39**	20	20	22	20	20	100	2	2	2	2	2	7	7	7	7	7	40	29	62	49	29	76.92308	90.625	86.11111	94.23077	90.625
1SV22EC010	13	7	**20**	13	18	**31**	13	12	12	8	7	52	2	2	2	2	2	5	5	5	5	5	27	19	45	33	14	51.92308	55.375	62.5	53.46154	43.75
1SV22EC011	18	12	**30**	16	11	**27**	12	6	20	13	20	71	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	29.8	11.8	59.8	29.8	25.8	57.30769	36.875	83.55556	57.30769	80.625
1SV22EC012	17	14	**31**	12	15	**27**	4	6	19	7	11	47	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	23.6	11.6	53.6	27.6	16.6	45.38462	36.25	74.44444	53.07692	51.875
1SV22EC013	15	20	**35**	20	20	**40**	13	13	14	20	20	80	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	38.6	18.6	54.6	45.6	25.6	74.23077	58.125	75.83333	37.69231	80
1SV22EC014	19	8	**27**	19	18	**37**	11	13	19	11	16	70	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	24.8	18.8	62.8	34.8	21.8	47.69231	58.75	87.22222	66.92308	68.125
1SV22EC015	14	8	**22**	15	16	**31**	11	12	12	4	8	47	2	2	2	2	2	4	4	4	4	4	25	18	47	25	14	48.07692	56.25	65.27778	50	43.75
1SV22EC016	8	8	**16**	4	6	**10**						0	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	14.6	6.6	18.6	12.6	6.6	28.07692	20.625	25.83333	24.23077	20.625
1SV22EC017	20	20	**40**	20	19	**39**	19	20	16	19	20	94	2	2	2	2	2	8.4	8.4	8.4	8.4	8.4	49.4	30.4	66.4	48.4	30.4	95	95	92.22222	93.07692	95
1SV22EC018	16	14	**30**	19	20	**39**	13	15	16	9	15	68	2	2	2	2	2	4	4	4	4	4	33	21	57	35	21	63.46154	65.625	79.16667	67.30769	55.625
1SV22EC019 →	19	9	**28**	17	10	**27**	20	20	20	20	20	100 →	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	36.8	→ 27.8	63.8	37.8	27.8	70.76923	86.875	88.61111	72.69231	86.875
1SV22EC020	20	10	**30**	19	20	**39**	20	13	17	20	20	90	2	2	2	2	2	7	7	7	7	7	39	22	65	49	29	75	68.75	90.27778	94.23077	90.625
1SV22EC021	15	15	**30**	19	20	**39**	18	19	20	14	20	91	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	41.4	27.4	62.4	42.4	28.4	79.61538	85.625	86.66667	81.53846	88.75
1SV22EC022	13	13	**26**	13	6	**19**	5	7	10	8	18	48	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	22.6	11.6	40.6	18.6	22.6	43.46154	36.25	56.38889	35.76923	70.625
1SV22EC023	20	7	**27**	17	15	**32**	15	17	16	15	20	83	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	28.6	23.6	59.6	36.6	26.6	55	73.75	82.77778	70.38462	83.125
1SV22EC024	19	19	**38**	**18**	20	**38**	7	8	17	14	17	63	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	32.8	14.8	60.8	40.8	23.8	63.07692	46.25	84.44444	78.46154	74.375
1SV22EC025	20	4	**24**	20	20	**40**	20	13	14	20	20	87	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	32.8	21.8	62.8	48.8	28.8	63.07692	68.125	87.22222	93.84615	90
1SV22EC026	20	20	**40**	20	20	**40**	20	20	20	20	20	100	2	2	2	2	2	8	8	8	8	8	50	30	70	50	30	96.15385	93.75	97.22222	96.15385	93.75
1SV22EC027	18		**18**			**0**						0	2	2	2	2	2	0.8	0.8	0.8	0.8	0.8	2.8	2.8	20.8	2.8	2.8	5.384615	8.75	28.88889	5.384615	8.75
1SV22EC028	20	8	**28**	15	2	**17**	13	13	13	6	19	64	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	26.8	18.8	53.8	13.8	24.8	51.53846	58.75	74.72222	26.53846	77.5
1SV22EC029	13	20	**33**	20	18	**38**	20	20	14	14	20	88	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	46.8	26.8	53.8	38.8	26.8	90	83.75	74.72222	74.61538	83.75
1SV22EC030	17	13	**30**	16	14	**30**	13	9	20	20		62	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	32.6	15.6	59.6	40.6	6.6	62.69231	48.75	82.77778	78.07692	20.625
1SV22EC031	17	9	**26**	19	12	**31**	11	14	11	6	13	55	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	26.4	20.4	53.4	24.4	19.4	50.76923	63.75	74.16667	46.92308	60.625
1SV22EC032	20	6	**26**	18	19	**37**	20	20	20	20	20	100	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	33.6	27.6	65.6	46.6	27.6	64.61538	86.25	91.11111	89.61538	86.25
1SV22EC033	19	20	**39**	20	20	**40**	20	20	20	20	20	100	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	50.8	30.8	69.8	50.8	30.8	97.69231	96.25	96.94444	97.69231	96.25
1SV22EC034	20	20	**40**	20	20	**40**	10	15	18	14	14	71	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	37.4	22.4	65.4	41.4	21.4	71.92308	70	90.83333	79.61538	66.875
1SV22EC035	13	19	**32**	20	12	**32**	17	20	20	20	19	96	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	43.2	27.2	60.2	39.2	26.2	83.07692	85	83.61111	75.38462	81.875
1SV22EC036	19	7	**26**	20	1	**21**	5	0	8	6	20	39	2	2	2	2	2	1.4	1.4	1.4	1.4	1.4	15.4	3.4	50.4	10.4	23.4	29.61538	10.625	70	20	73.125
1SV22EC037	18	14	**32**	20	20	**40**	13	19	12	7	14	65	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	34.2	26.2	57.2	34.2	21.2	65.76923	81.875	79.44444	55.76923	66.25
1SV22EC038	20	6	**26**	18	17	**35**	14	13	14	12	20	73	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	26.8	19.8	58.8	35.8	26.8	51.53846	61.875	81.66667	68.84615	83.75
1SV22EC039	2	7	**9**	7	5	**12**						0	2	2	2	2	2	4	4	4	4	4	13	6	15	11	6	25	18.75	20.83333	21.15385	18.75
1SV22EC040	20	19	**39**	20	20	**40**	18	15	20	20	20	93	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	46.8	24.8	69.8	49.8	29.8	90	77.5	96.94444	95.76923	93.125
1SV22EC041	18	20	**38**	20	19	**39**	15	11	20	20	20	86	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	41.2	17.2	64.2	45.2	26.2	79.23077	53.75	89.16667	86.92308	81.875
1SV22EC042	5	7	**12**	5	9	**14**						0	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	11.4	4.4	14.4	13.4	4.4	21.92308	13.75	20	25.76923	13.75
1SV22EC043	20	20	**40**	20	20	**40**	20	20	20	20	20	100	2	2	2	2	2	6	6	6	6	6	48	28	68	48	28	92.30769	87.5	94.44444	92.30769	87.5
1SV22EC045	20	20	**40**	19	19	**38**	20	12	20	14	20	86	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	47.6	19.6	66.6	40.6	27.6	91.53846	61.25	92.5	78.07692	86.25
1SV22EC046	20	20	**40**	20	20	**40**	20	19	20	14	20	93	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	46.4	25.4	66.4	40.4	26.4	89.23077	79.375	92.22222	77.69231	82.5
1SV22EC047	19	8	**27**	20	19	**39**	11	11	17	12	13	64	2	2	2	2	2	5	5	5	5	5	26	18	63	38	20	50	56.25	87.5	73.07692	62.5
1SV22EE001	10	1	**11**	3	12	**15**	6	6	9	0	3	24	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	11.2	10.2	26.2	16.2	7.2	21.53846	31.875	36.38889	31.15385	22.5
1SV22EE002	9	8	**17**	13	14	**27**	5	11	5	6	19	46	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	18.6	16.6	32.6	25.6	24.6	35.76923	51.875	45.27778	49.23077	76.875
1SV22EE003	20	20	**40**	20	19	**39**	20	20	20	20	20	100	2	2	2	2	2	8.4	8.4	8.4	8.4	8.4	50.4	30.4	70.4	49.4	30.4	96.92308	95	97.77778	95	95
1SV22EE004	20	20	**40**	20	19	**39**	20	16	20	20	20	96	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	48.8	24.8	68.8	47.8	28.8	93.84615	77.5	95.55556	91.92308	90
1SV22EE005	20	10	**30**	17	13	**30**	12	12	17	20	18	79	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	28.6	18.6	60.6	39.6	24.6	55	58.125	84.16667	76.15385	76.875
1SV22EE006	19	7	**26**	14	14	**28**	20	13	20	13	14	80	2	2	2	2	2	6	6	6	6	6	35	21	61	35	22	67.30769	65.625	84.72222	67.30769	68.75
																												70.67542	**56.12043**	**75.86551**	**69.10413**	**67.56768**

PRINCIPAL
SIET. TUMKUR.

DEPARTMENT OF CHEMISTRY

COURSE OUTCOME

CO1. Identify the terms and processes involved in scientific and engineering applications
CO2. Explain the phenomena of chemistry to describe the methods of engineering processes
CO3. Solve for the problems in chemistry that are pertinent in engineering applications
CO4. Apply the basic concepts of chemistry to explain the chemical properties and processes
CO5. Analyze properties and processes associated with chemical substances in multidisciplinary situations

PROGRAM OUTCOMES

PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

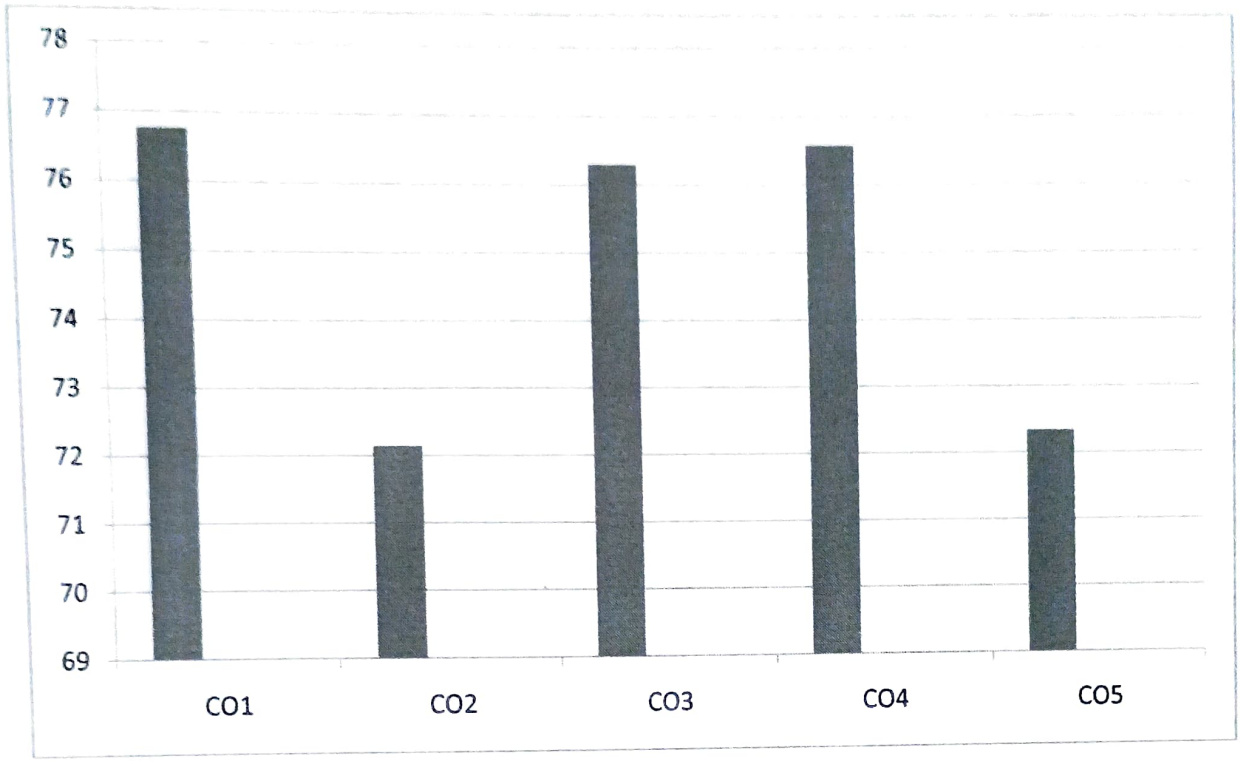
NAME OF THE COLLEGE		SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU			
FACULTY NAME		Dr. CHANDRASEKHAR. N / Ms. MANASA/ Mr SUDHAKAR			
ACADEMIC YEAR		2022-23			
COURSE	B.E	SEMESTER	II	SECTION	A, B & C
SUBJECT	CHEMISTRY FOR COMPUTER SCIENCE STREAM			SUBJECT CODE	22CHES12

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	-	1	-	1	1	1	1	-	1
CO2	3	1	1	-	-	-	1	1	1	1	-	1
CO3	3	1	1	2	-	1	1	1	1	1	-	1
CO4	3	1	1	2	-	-	1	1	1	1	-	1
CO5	3	1	1	-	-	1	1	1	1	1	-	1
AVERAGE	3	1	1	2	1	1	1	1	1	1	-	1
											OVERALL MAPPING OF SUBJECT	1.16

CO AND PO ATTAINMENT

		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	76.76	2.3	0.76	0.76	-	0.76		0.76	0.76	0.76	0.76	-	0.76
CO2	72.14	2.16	0.72	0.72	-	-	-	0.72	0.72	0.72	0.72	-	0.72
CO3	76.3	2.28	0.76	0.76	1.52	-	0.76	0.76	0.76	0.76	0.76	-	0.76
CO4	76.58	2.29	0.76	0.76	1.53	-	-	0.76	0.76	0.76	0.76	-	0.76
CO5	72.34	2.17	0.72	0.72	-	-	0.72	0.72	0.72	0.72	0.72	-	0.72
AVERAGE	74.824	2.24	0.744	0.744	1.525	0.76	0.74	0.744	0.744	0.744	0.744		0.744
												FINAL ATTAINMENT LEVEL	0.95



FACULTY
(Mr. SUDHAKAR)

HOD
(Dr. CHANDRASEKHAR.N)

PRINCIPAL
(Dr. NARENDRAVISWANATH)

PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING AND TECHNOLOGY
TUMKUR - 572106

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMAKURU

Academic year	2022-23			SEM: II			Total strength			141	Subject				Engg. Chemistry					BCHES202 & BCHEC202					Avg of INDIVIDUAL CO				
SEM: II/SEC A,B & C	IA TEST 1(40M)			IA TEST 2 (40M)			IA TEST 3 (60M)				ASSIGNEMENT (10 M				SEE MARKS (50M)					Total Cos ATTAINMENT									
USN	CO3	CO4	TOTAL	CO3	CO4	TOTAL	CO2	CO3	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5	CO1=52	CO2=32	CO3=52	CO4=32	CO5=32	CO1	CO2	CO3	CO4	CO5
1SV22CS001	18	15	33	18	19	37	18	18	14	50	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	41.8	26.8	44.8	27.8	22.8	80.38462	83.75	86.15385	86.875	71.25
1SV22CS002	13	7	20	2	13	15				0	2	2	2	2	2	1	1	1	1	1	12	3	16	16	3	23.07692	9.375	30.76923	50	9.375
1SV22CS003	17	2	19			13	18		5	23	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	8.4	24.4	23.4	19.4	11.4	16.15385	76.25	45	60.625	35.625
1SV22CS004	18		18		8	8	10	0	12	22	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	9.8	19.8	27.8	17.8	21.8	18.84615	61.875	53.46154	55.625	68.125
1SV22CS005	5	12	17	10	10	20	9	0	5	14	2	2	2	2	2	4	4	4	4	4	28	15	11	16	11	53.84615	46.875	21.15385	50	34.375
1SV22CS006	16	19	35	13	19	32	15	13	18	46	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	37.6	20.6	34.6	24.6	23.6	72.30769	64.375	66.53846	76.875	73.75
1SV22CS007	18	20	38	20	19	39	20	18	16	54	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	45.6	25.6	41.6	24.6	21.6	87.69231	80	80	76.875	67.5
1SV22CS008	19	20	39	20	19	39	12	7	20	39	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	48.8	20.8	34.8	27.8	28.8	93.84615	65	66.92308	86.875	90
1SV22CS009	20	20	40	16	19	35	17	20	19	56	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	44.2	25.2	48.2	27.2	27.2	85	78.75	92.69231	85	85
1SV22CS010	18	17	35	16	18	34	20	20	20	60	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	41.4	28.4	46.4	26.4	28.4	79.61538	88.75	89.23077	82.5	88.75
1SV22CS011	18	20	38	17	18	35	19	20	19	58	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	45.4	27.4	46.4	26.4	27.4	87.30769	85.625	89.23077	82.5	85.625
1SV22CS012	16	20	36	20	19	39	20	18	17	55	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	47.8	27.8	41.8	26.8	24.8	91.92308	86.875	80.38462	83.75	77.5
1SV22CS013	17	17	34	14	15	29	10	17	6	33	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	40.2	19.2	43.2	24.2	15.2	77.30769	60	83.07692	75.625	47.5
1SV22CS014	20	20	40	18	20	38	20	20	13	53	2	2	2	2	2	9	9	9	9	9	49	31	51	31	24	94.23077	96.875	98.07692	96.875	75
1SV22CS015	20	17	37	17	18	35	16	20	20	56	2	2	2	2	2	8	8	8	8	8	44	26	50	28	30	84.61538	81.25	96.15385	87.5	93.75
1SV22CS016	20	19	39	19	20	39	20	20	20	60	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	46.6	28.6	48.6	28.6	28.6	89.61538	89.375	93.46154	89.375	89.375
1SV22CS017	20	19	39	20	20	40	20	20	20	60	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	48.2	29.2	49.2	29.2	29.2	92.69231	91.25	94.61538	91.25	91.25
1SV22CS018	19	18	37	20	18	38	20	20	20	60	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	47.8	29.8	48.8	27.8	29.8	91.92308	93.125	93.84615	86.875	93.125
1SV22CS019	20	20	40	20	20	40	19	20	20	59	2	2	2	2	2	6	6	6	6	6	48	27	48	28	28	92.30769	84.375	92.30769	87.5	87.5
1SV22CS020	20	20	40	20	20	40	19	20	20	59	2	2	2	2	2	6	6	6	6	6	39	23	37	27	23	75	71.875	71.15385	84.375	71.875
1SV22CS021	17	20	37	11	19	30	15	12	15	42	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	6.2	12.2	8.2	6.2	6.2	11.92308	38.125	15.76923	19.375	19.375
1SV22CS022			0			0	6	2	0	8	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	47.2	26.2	46.2	26.2	24.2	90.76923	81.875	88.84615	81.875	75.625
1SV22CS023	20	20	40	20	19	39	19	19	17	55	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	32.2	13.2	24.2	25.2	8.2	61.92308	41.25	46.53846	78.75	25.625
1SV22CS024	18	12	30	14	19	33	7	0	2	9	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	44.2	19.2	43.2	24.2	24.2	85	60	83.07692	75.625	75.625
1SV22CS025	20	20	40	18	18	36	13	17	18	48	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	41.2	25.2	49.2	27.2	29.2	79.23077	78.75	94.61538	85	91.25
1SV22CS026	20	19	39	13	18	31	16	20	20	56	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	45.6	27.6	46.6	28.6	24.6	87.69231	86.25	89.61538	89.375	76.875
1SV22CS027	20	20	40	17	20	37	19	18	16	53	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	46.4	22.4	46.4	27.4	27.4	89.23077	70	89.23077	85.625	85.625
1SV22CS028	19	20	39	19	20	39	15	20	20	55	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	41.8	19.8	39.8	27.8	26.8	80.38462	61.875	76.53846	86.875	83.75
1SV22CS029	14	17	31	16	19	35	11	17	18	46	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	45.4	26.4	25.4	26.4	26.4	87.30769	82.5	48.84615	82.5	82.5
1SV22CS030	19	20	39	19	20	39	20	0	20	40	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	49.8	29.8	49.8	28.8	29.8	95.76923	93.125	95.76923	90	93.125
1SV22CS031	20	20	40	20	19	39	20	20	20	60	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	43.2	28.2	48.2	27.2	26.2	83.07692	88.125	92.69231	85	81.875
1SV22CS032	20	20	40	15	19	34	20	20	18	58	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	46.2	27.2	46.2	29.2	29.2	88.84615	85	88.84615	91.25	91.25
1SV22CS033	19	20	39	17	20	37	18	18	20	56	2	2	2	2	2	4	4	4	4	4	37	18	31	26	26	71.15385	56.25	59.61538	81.25	81.25
1SV22CS034	19	20	39	11	20	31	12	6	20	38	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	47.2	24.2	48.2	28.2	28.2	90.76923	75.625	92.69231	88.125	88.125
1SV22CS035	20	20	40	19	20	39	16	20	20	56	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	39.4	22.4	47.4	26.4	27.4	75.76923	70	91.15385	82.5	85.625
1SV22CS036	19	20	39	12	19	31	15	20	20	55	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	44.6	12.6	42.6	24.6	21.6	85.76923	39.375	81.92308	76.875	67.5
1SV22CS037	20	20	40	19	19	38	7	17	16	40	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	49.8	29.8	49.8	28.8	29.8	95.76923	93.125	95.76923	90	93.125
1SV22CS038	20	20	40	20	19	39	20	20	20	60	2	2	2	2	2	8.4	8.4	8.4	8.4	8.4	50.4	30.4	49.4	30.4	30.4	96.92308	95	95	95	95
1SV22CS039	19	20	39	20	20	40	20	20	20	60	2	2	2	2	2	6	6	6	6	6	43	28	44	27	28	82.69231	87.5	84.61538	84.375	87.5
1SV22CS040	16	20	36	15	19	34	20	20	20	60	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	47.4	28.4	47.4	28.4	28.4	91.15385	88.75	91.15385	88.75	88.75
1SV22CS041	19	20	39	19	20	39	20	20	20	60	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	39.6	26.6	42.6	26.6	26.6	76.15385	83.125	81.92308	83.125	83.125
1SV22CS042	19	20	39	12	19	31	19	16	19	54	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	45.2	27.2	47.2	27.2	28.2	86.92308	85	90.76923	85	88.125
1SV22CS043	19	18	37	19	19	38	19	20	20	59	2	2	2	2	2	8	8	8	8	8	50	30	50	30	30	96.15385	93.75	96.15385	93.75	93.75
1SV22CS044	20	20	40	20	20	40	20	20	20	60	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	32.4	22.4	43.4	22.4	26.4	62.30769	70	83.46154	70	82.5
1SV22CS045	20	18	38	6	14	20	14	15	18	47	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	29.6	25.6	27.6	19.6	11.6	56.92308	80	53.07692	61.25	36.25
1SV22CS046	12	17	29	7	14	21	20	10	6	36	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	38.2	21.2	44.2	24.2	20.2	73.46154	66.25	85	75.625	63.125
1SV22CS047	18	20	38	11	17	28	14	19	13	46	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	31.6	6.6	36.6	26.6	26.6	60.76923	20.625	70.38462	83.125	83.125
1SV22CS048	18	19	37	6	20	26	0	12	20	32	2	2	2	2	2	9.4	9.4	9.4	9.4	9.4	51.4	31.4	51.4	26.4	31.4	98.84615	98.125	98.84615	82.5	98.125
1SV22CS049	20	20	40	20	15	35	20	20	20	60	2	2	2	2	2	8	8	8	8	8	41	22	41	27	19	78.84615	68.75	78.84615	84.375	59.375
1SV22CS050	17	20	37	11	17	28	12	14	9	35	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	43.2	28.2	48.2	27.2	28.2	83.07692	88.125	92.69231	85	88.125
1SV22CS051	20	20	40	15	19	34	20	20	20	60	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	46.2	24.2	44.2	27.2	22.2	88.84615	75.625	85	85	69.375
1SV22CS052	20	20	40	19	20	39	17	17	15	49	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	46.2	24.2	44.2	27.2	22.2	88.84615	75.625	85	85	69.375
1SV22CS053	19	16	35	13	18	31	15	10	18	43	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	35.2	21.2	35.2	24.2	24.2	67.69231	66.25	67.69231	75.625	75.625
1SV22CS054	20	20	40	20	19	39	20	20	20	60	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	49.6	29.6	49.6	28.6	29.6	95.38462	92.5	95.38462	89.375	92.5
1SV22CS055	17	18	35	15	19	34	18	20	17	55	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	41.2	26.2	45.2	27.2	25.2	79.23077	81.875	86.92308	85	78.75
1SV22CS056	17	19	36	9	19	28	5	20	20	45	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	34.2	11.2	43.2	25.2	26.2	65.76923	35	83.07692	78.75	81.875
1SV22CS057	13	11	24	1	10	11	2	9	9	20	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	17.6	7.6	27.6	15.6	14.6	33.84615	23.75	53.07692	48.75	45.625
1SV22CS058	20	20	40	20	20	40	20	20	20	60	2	2	2	2	2	8	8	8	8	8	50	30	50	30	30	96.15385	93.75	96.15385	93.75	93.75
1SV22CS059	18	20	38	20	19	39	20	20	20	60	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	49.8	29.8	47.8	28.8	29.8	95.76923	93.125	91.92308	90	93.125

15V22CS061	19	8	27	15	16	31	9	16	11	36	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	31.8	17.8	43.8	24.8	19.8	61.15385	55.625	84.23077	77.5	61.875
15V22CS062	16	20	36	5	11	16	9	6	8	23	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	32.4	16.4	29.4	18.4	15.4	62.30769	51.25	56.53846	57.5	48.125
15V22CS063	18	20	38	20	20	40	16	20	13	49	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	45.6	21.6	43.6	25.6	18.6	87.69231	67.5	83.84615	80	58.125
15V22CS064	16	19	35	15	19	34	19	14	19	52	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	40.2	25.2	36.2	25.2	25.2	77.30769	78.75	69.61538	78.75	78.75
15V22CS065	10	20	30	10	18	28	16	18	19	53	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	36.8	22.8	34.8	24.8	25.8	70.76923	71.25	66.92308	77.5	80.625
15V22CS066	15	19	34	20	18	38	19	17	20	56	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	48.2	28.2	41.2	27.2	29.2	92.69231	88.125	79.23077	85	91.25
15V22CS067	20	20	40	20	19	39	20	20	20	60	2	2	2	2	2	8.2	8.2	8.2	8.2	8.2	50.2	30.2	50.2	29.2	30.2	96.53846	94.375	96.53846	91.25	94.375
15V22CS068	19	20	39	20	19	39	18	20	20	58	2	2	2	2	2	8.2	8.2	8.2	8.2	8.2	50.2	28.2	49.2	29.2	30.2	96.53846	88.125	94.61538	91.25	94.375
15V22CS069	20	20	40	16	16	32	19	19	20	58	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	44.6	27.6	47.6	24.6	28.6	85.76923	86.25	91.53846	76.875	89.375
15V22CS070	19	19	38	16	16	32	5	18	20	43	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	41.6	11.6	43.6	22.6	26.6	80	36.25	83.84615	70.625	83.125
15V22CS071	13	12	25	17	13	30	17	10	9	36	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	34.6	22.6	28.6	18.6	14.6	66.53846	70.625	55	58.125	45.625
15V22CS073	13	19	32	10	15	25	17	20	20	57	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	38.2	26.2	42.2	24.2	29.2	73.46154	81.875	81.15385	75.625	91.25
15V22CS074	18	20	38	19	19	38	19	6	20	45	2	2	2	2	2	7.4	7.4	7.4	7.4	7.4	48.4	28.4	33.4	28.4	29.4	93.07692	88.75	64.23077	88.75	91.875
15V22CS075	15	20	35	9	10	19	11	19	20	50	2	2	2	2	2	4	4	4	4	4	35	17	40	16	26	67.30769	53.125	76.92308	50	81.25
15V22CS076	20	20	40	20	14	34	20	13	20	53	2	2	2	2	2	7	7	7	7	7	49	29	42	23	29	94.23077	90.625	80.76923	71.875	90.625
15V22CS077	13	20	33	11	15	26	14	10	18	42	2	2	2	1	1	4.8	4.8	4.8	4.8	4.8	37.8	20.8	29.8	20.8	23.8	72.69231	65	57.30769	65	74.375
15V22CS078	19	20	39	18	17	35	13	20	11	44	2	2	2	2	2	8.4	8.4	8.4	8.4	8.4	48.4	23.4	49.4	27.4	21.4	93.07692	73.125	95	85.625	66.875
15V22CS079	20	20	40	19	20	39	19	17	19	55	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	47.6	27.6	45.6	28.6	27.6	91.53846	86.25	87.69231	89.375	86.25
15V22CS080	13	19	32	16	18	34	16	12	15	43	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	41.4	22.4	31.4	24.4	21.4	79.61538	70	60.38462	76.25	66.875
15V22CS081	20	18	38	17	19	36	15	19	11	45	2	2	2	2	2	7	7	7	7	7	44	24	48	28	20	84.61538	75	92.30769	87.5	62.5
15V22CS082	19	19	38	19	16	35	6	5	20	31	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	45.6	13.6	31.6	23.6	27.6	87.69231	42.5	60.76923	73.75	86.25
15V22CS083	20	18	38	20	19	39	16	2	20	38	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	44.6	22.6	28.6	25.6	26.6	85.76923	70.625	55	80	83.125
15V22CS084	13	18	31	19	19	38	6	16	7	29	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	42.6	11.6	34.6	24.6	12.6	81.92308	36.25	66.53846	76.875	39.375
15V22CS085	15	19	34	15	15	30	11	19	9	39	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	39.6	16.6	39.6	20.6	14.6	76.15385	51.875	76.15385	64.375	45.625
15V22CS086	20	20	40	18	20	38	20	19	19	58	2	2	2	2	2	8.2	8.2	8.2	8.2	8.2	48.2	30.2	49.2	30.2	29.2	92.69231	94.375	94.61538	94.375	91.25
15V22CS087	17	20	37	20	16	36	20	7	20	47	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	48.8	28.8	32.8	24.8	28.8	93.84615	90	63.07692	77.5	90
15V22CS088	19	18	37	19	16	35	19	19	19	57	2	2	2	2	2	5	5	5	5	5	44	26	45	23	26	84.61538	81.25	86.53846	71.875	81.25
15V22CS089	17	20	37	13	18	31	15	7	12	34	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	38.8	20.8	29.8	23.8	17.8	74.61538	65	57.30769	73.375	55.625
15V22CS090	11	12	23	2	13	15	10	20	18	48	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	19.6	15.6	36.6	18.6	23.6	37.69231	48.75	70.38462	58.125	73.75
15V22CS091	19	20	39	15	19	34	20	1	20	41	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	44.2	29.2	29.2	28.2	29.2	85	91.25	56.15385	88.125	91.25
15V22CS092	17	20	37	2	19	21	20	16	20	56	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	28.4	26.4	39.4	25.4	26.4	54.61538	82.5	75.76923	79.375	82.5
15V22CS093	17	20	37	13	17	30	17	15	15	47	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	41.8	25.8	40.8	25.8	23.8	80.38462	80.625	78.46154	80.625	74.375
15V22CS094	17	20	37	15	12	27	14	9	19	42	2	2	2	2	2	6	6	6	6	6	43	22	34	20	27	82.69231	68.75	65.38462	62.5	84.375
15V22CS095	20	20	40	20	19	39	15	17	19	51	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	46.2	21.2	43.2	25.2	25.2	88.84615	66.25	83.07692	78.75	78.75
15V22CS096	16	18	34	4	17	21	19	11	14	44	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	27.6	24.6	32.6	22.6	19.6	53.07692	76.875	62.69231	70.625	61.25
15V22CS097	20	19	39	9	19	28	16	20	11	47	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	34.2	22.2	46.2	25.2	17.2	65.76923	69.375	88.84615	78.75	53.75
15V22CS098	19	20	39	19	18	37	19	20	20	59	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	48.2	28.2	48.2	27.2	29.2	92.69231	88.125	92.69231	85	91.25
15V22CS099	6	12	18	0	17	17	7	5	13	25	2	2	2	2	1	3.6	3.6	3.6	3.6	3.6	17.6	12.6	16.6	22.6	17.6	33.84615	33.375	31.92308	70.625	55
15V22CS100	12	8	20	1	13	14	15	0	20	35	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	15.8	21.8	18.8	19.8	26.8	30.38462	68.125	36.15385	61.875	83.75
15V22CS101	20	20	40	20	19	39	19	20	12	51	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	49.2	28.2	49.2	28.2	21.2	94.61538	88.125	94.61538	88.125	66.25
15V22CS102	20	20	40	19	19	38	20	20	20	60	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	47.4	28.4	48.4	27.4	28.4	91.15385	88.75	93.07692	85.625	88.75
15V22CS103	19	20	39	18	19	37	20	20	20	60	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	44.4	26.4	45.4	25.4	26.4	85.38462	82.5	87.30769	79.375	82.5
15V22CS104	20	20	40	20	19	39	20	20	18	58	2	2	2	2	2	9.2	9.2	9.2	9.2	9.2	51.2	31.2	51.2	30.2	29.2	98.46154	97.5	98.46154	94.375	91.25
15V22CS105	18	18	36	20	19	39	16	17	19	52	2	2	2	2	2	6	6	6	6	6	46	24	43	27	27	88.46154	75	82.69231	84.375	84.375
15V22CS106	14	20	34	11	16	27	7	5	14	26	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	37.6	13.6	25.6	22.6	20.6	72.30769	42.5	49.23077	70.625	64.375
15V22CS107	20	20	40	13	20	33	20	20	20	60	2	2	2	2	2	7.4	7.4	7.4	7.4	7.4	42.4	29.4	49.4	29.4	29.4	81.53846	91.875	95	91.875	91.875
15V22CS108	17	20	37	20	17	37	18	20	20	58	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	47.8	25.8	44.8	24.8	27.8	91.92308	80.625	86.15385	77.5	86.875
15V22CS109	14	12	26	16	11	27	15	0	15	30	2	2	2	2	2	4	4	4	4	4	34	21	20	17	21	65.38462	65.625	38.46154	53.125	65.625
15V22CS110	20	18	38	17	19	36	19	20	18	57	2	2	2	2	2	5	5	5	5	5	42	26	47	26	25	80.76923	81.25	90.38462	81.25	78.125
15V22CS111	20	20	40	19	15	34	15	0	18	33	2	2	2	2	1	3.6	3.6	3.6	3.6	3.6	44.6	20.6	25.6	20.6	22.6	85.76923	64.375	49.23077	64.375	70.625
15V22CS112	18	18	36	13	16	29	10	10	18	38	1	1	1	1	1	4.4	4.4	4.4	4.4	4.4	36.4	15.4	33.4	21.4	23.4	70	48.125	64.23077	66.875	73.125
15V22CS113	20	10	30	13	16	29		0		0	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	28.6	5.6	25.6	21.6	5.6	55	17.5	49.23077	67.5	17.5
15V22CS114	14	18	32	13	8	21	17	17	20	54	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	36.6	22.6	36.6	13.6	25.6	70.38462	70.625	70.38462	42.5	80
15V22CS115	19	18	37	17	17	34	19	20	15	54	2	2	2	2	2	4	4	4	4	4	41	25	45	23	21	78.84615	78.125	86.53846	71.875	65.625
15V22CS116	10	9	19	4	16	20	5	4	5	14	2	2	1	1	1	2.8	2.8	2.8	2.8	2.8	17.8	9.8	17.8	19.8	8.8	34.23077	30.625	34.23077	61.875	27.5
15V22CS117	19	19	38	17	17	34	14	20	15	49	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	41.6	19.6	44.6	22.6	20.6	80	61.25	85.76923	70.625	64.375
15v22CS118	20	20	40	20	18	38	20	20	20	60	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	48.6	28.6	48.6	26.6	28.6	93.46154	89.375	93.46154	83.125	89.375
15V22CS119	19	16	35	16	16	32	14	6	16	36	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	36.2	18.2	29.2	20.2	20.2	69.61538	56.875	56.15385	63.125	63.125
15V22CS120	20	20	40	20	18	38	18	19	20	57	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	48.4	26.4	47.4	26.4	28.4	93.07692	82.5	91.15385	82.5	88.75
15V22CS121	19	18	37	16	16	32	17	20	11	48	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	42.4	25.4	47.4	24.4	19.4	81.53846	79.375	91.15385	76.25	60.625
15V22CS122	17	20	37	20	20	40	18	20	20	58	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	47.4	25.4	44.4	27.4	27.4	91.15385	79.375	85.38462	85.625	85.625
15V22CS123	19	20	39	16	20	36	20	20	20	60	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	44.6	28.6	47.6	28.6	28.6	85.76923	89.375	91.53846	89.375	89.375

15V22CS124	15	18	33	9	0	9	10	9		19	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	30.6	13.6	27.6	3.6	3.6	58.84615	42.5	53.07692	11.25	11.25
15V22CS125	20	19	39	17	17	34	17	12	13	42	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	44.6	25.6	40.6	25.6	21.6	85.76923	80	78.07692	80	67.5
15V22CS126	20	20	40	18	16	34	18	13	17	48	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	45.6	25.6	40.6	23.6	24.6	87.69231	80	78.07692	73.75	76.875
15V22CV001	9	3	12	6	11	17	3	0	0	3	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	12.2	6.2	12.2	14.2	3.2	23.46154	19.375	23.46154	44.375	10
15V22CV002	20	4	24	15	18	33	20	18	3	41	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	24.6	25.6	43.6	23.6	8.6	47.30769	80	83.84615	73.75	26.875
15V22CV003	20	18	38	17	19	36	20	17	12	49	2	2	2	2	2	1.4	1.4	1.4	1.4	1.4	38.4	23.4	40.4	22.4	15.4	73.84615	73.125	77.69231	70	48.125
15V22CV004	19	20	39	20	20	40	20	20	6	46	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	45.6	25.6	44.6	25.6	11.6	87.69231	80	85.76923	80	36.25
15V22CV005	20	20	40	20	20	40	19	20	17	56	2	2	2	2	2	4	4	4	4	4	46	25	46	26	23	88.46154	78.125	88.46154	81.25	71.875
15V22CV006	20	10	30	14	18	32	16	15	14	45	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	29.6	21.6	40.6	23.6	19.6	56.92308	67.5	78.07692	73.75	61.25
15V22CV007	19	20	39	20	20	40	20	20	19	59	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	48.4	28.4	47.4	28.4	27.4	93.07692	88.75	91.15385	88.75	85.625
15V22CV008	19	20	39	20	16	36	20	17	12	49	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	45.6	25.6	41.6	21.6	17.6	87.69231	80	80	67.5	55
15V22CV009	20	19	39	19	20	39	19	20	20	59	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	46.2	27.2	48.2	28.2	28.2	88.84615	85	92.69231	88.125	88.125
15V22CV010	19	20	39	17	19	36	19	20	20	59	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	46.8	28.8	48.8	28.8	29.8	90	90	93.84615	90	93.125
15V22CV011	7	17	24	17	19	36	20	14	12	46	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	39.8	25.8	26.8	24.8	17.8	76.53846	80.625	51.53846	77.5	55.625
15V22CV012	17	12	29		0	0	2	12	12	26	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	18.6	8.6	35.6	6.6	18.6	35.76923	26.875	68.46154	20.625	58.125
15V22CV013	13	4	17	10	7	17	16	13	9	38	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	18.8	20.8	30.8	11.8	13.8	36.15385	65	59.23077	36.875	43.125
15V22CV014			0	19	17	36	15	11	12	38	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	23.4	19.4	15.4	21.4	16.4	45	60.625	29.61538	66.875	51.25
15V22CV015	11	2	13	17	17	34	20	20	7	47	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	25.2	26.2	37.2	23.2	13.2	48.46154	81.875	71.53846	72.5	41.25
15V22CV016	20	11	31	18	18	36	6	0	0	6	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	33.4	10.4	24.4	22.4	4.4	64.23077	32.5	46.92308	70	13.75
15V22CV017	20	20	40	20	20	40	18	20	20	58	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	48.8	26.8	48.8	28.8	28.8	93.84615	83.75	93.84615	90	90
15V22CV018	20	19	39	20	18	38	20	20	20	60	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	47.4	28.4	48.4	26.4	28.4	91.15385	88.75	93.07692	82.5	88.75
																										76.76487	72.14982	76.30115	76.58245	72.34929

PRINCIPAL
SIET. TUMKUR.