

SUBJECT: Mathematics-I for CSE Stream
SUBJECT CODE: BMATS101(AIDS)

COURSE OUTCOMES:

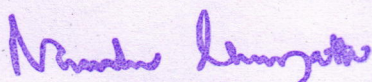
At the end of the course the student will be able to:

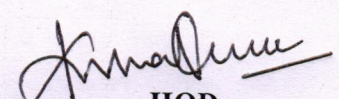
- CO1:** Apply the knowledge of calculus to solve problems related to polar curves.
- CO2:** Able to find the Taylor's and Maclaurin's series, indeterminate forms, partial differentiation and maxima and minima for a function of two variable
- CO3:** Analyze the solution of linear and non linear ordinary differential equations
- CO4:** Apply the knowledge of modular arithmetic to computer algorithms.
- CO5:** make use of matrix theory for solving for system of linear equations and compute eigenvalues and eigenvectors

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJMGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	76	1.52	2.28	0	0	0	0	0	0	0	0	0	0.76
CO2	70	1.40	2.10	0	0	0	0	0	0	0	0	0	0.70
CO3	68	1.36	2.04	0	0	0	0	0	0	0	0	0	0.68
CO4	70	1.40	2.10	0	0	0	0	0	0	0	0	0	0.70
CO5	69	1.38	2.07	0	0	0	0	0	0	0	0	0	0.69
AVG	71	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.412


MAPPING CORELATION	LOW	MODERATELY	HIGHLY	NO
	1	2	3	0

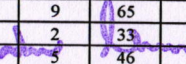

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SIET, TUMKUR.


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Dept. Of Mathematics
S.I.E.T., TUMKUR - 6

DEPARTMENT OF MATHEMATICS

Academic year:2022-23			SUB Mathematics-I for CSE Stream								SUB CODE: BMATS101					TOTAL:64		1 ST SEMESTER													
USN	T1		T2			T3					ASSIGNMENT 10					SEE	SEE MARKS					Final									
	CO1-20	CO5-20	CO1-14	CO2-6	CO3-20	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2		50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-66	CO2-38	CO3-52	CO4-32	CO5-52	CO1	CO2	CO3	CO4
ISV22AD001	20	11	12	3	17	20	4	12	19	18	2	2	2	2	2	18	4	4	4	4	4	58	13	35	25	35	87	33	67	77	67
ISV22AD002	20	16	12	6	18	20	18	14	5	20	2	2	2	2	2	33	7	7	7	7	7	61	33	41	14	45	92	86	78	43	86
ISV22AD003	13	2	9	1	3	20	20	17	6	12	2	2	2	2	2	6	1	1	1	1	1	45	24	23	9	17	68	64	45	29	33
ISV22AD004	20	18	9	1	13	20	16	9	14	15	2	2	2	2	2	8	2	2	2	2	2	53	21	26	18	37	80	54	49	55	70
ISV22AD005	17	15	14	5	20	20	19	18	18	20	2	2	2	2	2	21	4	4	4	4	4	57	30	44	24	41	87	79	85	76	79
ISV22AD006	15	14	7	5	17	12	20	15	20	13	2	2	2	2	2	24	5	5	5	5	5	41	32	39	27	34	62	84	75	84	65
ISV22AD007	20	19	14	6	20	20	7	20	14	16	2	2	2	2	2	24	5	5	5	5	5	61	20	47	21	42	92	52	90	65	80
ISV22AD008	20	15	14	6	20	20	20	15	20	20	2	2	2	2	2	3	1	1	1	1	1	57	29	38	23	38	86	75	72	71	72
ISV22AD009	6	18	9	6	20	17	17	18	13	14	2	2	2	2	2	28	6	6	6	6	6	40	31	46	21	40	60	81	88	64	76
ISV22AD010	20	16	14	6	20	0	0	0	0	0	2	2	2	2	2	12	2	2	2	2	2	38	10	24	4	20	58	27	47	14	39
ISV22AD011	20	19	14	6	15	20	16	17	20	17	2	2	2	2	2	33	7	7	7	7	7	63	31	41	29	45	95	81	78	89	86
ISV22AD012	3	8	2	0	14	4	17	16	16	15	2	2	2	2	2	18	4	4	4	4	4	15	23	36	22	29	22	59	68	68	55
ISV22AD013	20	19	14	6	20	20	18	16	20	20	2	2	2	2	2	24	5	5	5	5	5	61	31	43	27	46	92	81	82	84	88
ISV22AD014	18	10	14	6	20	20	18	18	19	20	2	2	2	2	2	22	4	4	4	4	4	58	30	44	25	36	88	80	85	79	70
ISV22AD015	15	19	14	6	20	20	20	18	20	20	2	2	2	2	2	30	6	6	6	6	6	57	34	48	26	47	86	89	92	81	90
ISV22AD016	14	16	10	6	17	18	14	10	19	17	2	2	2	2	2	18	4	4	4	4	4	48	26	33	25	39	72	67	63	77	74
ISV22AD017	20	17	14	3	20	20	13	17	16	16	2	2	2	2	2	11	2	2	2	2	2	58	20	41	20	37	88	53	79	63	72
ISV22AD018	18	16	10	12	6	2	20	19	17	17	2	2	2	2	2	6	1	1	1	1	1	33	35	28	20	36	50	93	54	63	70
ISV22AD019	19	18	9	4	15	20	20	14	14	17	2	2	2	2	2	25	5	5	5	5	5	55	31	36	21	42	83	82	69	66	81
ISV22AD020	18	8	14	0	3	20	20	9	16	16	2	2	2	2	2	13	3	3	3	3	3	57	25	17	21	29	86	65	32	64	55
ISV22AD021	12	9	14	5	17	10	17	5	17	12	2	2	2	2	2	19	4	4	4	4	4	42	28	28	23	27	63	73	53	71	52
ISV22AD022	17	9	9	0	9	18	7	10	8	5	2	2	2	2	2	18	4	4	4	4	4	50	13	25	14	20	75	33	47	43	38
ISV22AD023	18	9	13	4	6	20	17	11	20	17	2	2	2	2	2	21	4	4	4	4	4	57	27	23	26	32	87	72	45	82	62
ISV22AD024	20	19	13	6	14	4	15	20	19	18	2	2	2	2	2	25	5	5	5	5	5	44	28	41	26	44	67	74	79	81	85
ISV22AD025	15	11	14	6	20	20	19	17	18	9	2	2	2	2	2	23	5	5	5	5	5	56	32	44	25	27	84	83	84	77	51
ISV22AD026	20	19	14	6	19	20	20	14	20	13	2	2	2	2	2	26	5	5	5	5	5	61	33	40	27	39	93	87	77	85	75
ISV22AD027	20	18	14	4	20	17	17	18	17	18	2	2	2	2	2	24	5	5	5	5	5	58	28	45	24	43	88	73	86	74	82
ISV22AD028	14	14	13	2	14	20	19	17	8	17	2	2	2	2	2	31	6	6	6	6	6	55	29	39	16	39	84	77	75	51	75
ISV22AD029	9	3	14	0	10	18	16	13	16	16	2	2	2	2	2	15	3	3	3	3	3	46	21	28	21	24	70	55	54	66	46
ISV22AD030	18	12	10	6	20	20	20	17	20	20	2	2	2	2	2	18	4	4	4	4	4	54	32	43	26	38	81	83	82	80	72
ISV22AD031	20	17	11	6	20	18	18	16	20	19	2	2	2	2	2	34	7	7	7	7	7	58	33	45	29	45	88	86	86	90	86
ISV22AD032	13	11	11	6	20	20	15	18	16	18	2	2	2	2	2	22	4	4	4	4	4	50	27	44	22	35	76	72	85	70	68
ISV22AD033	12	4	14	6	18	20	18	18	20	20	2	2	2	2	2	3	1	1	1	1	1	49	27	39	23	27	74	70	74	71	51
ISV22AD034	20	19	14	6	20	20	17	18	20	20	2	2	2	2	2	46	9	9	9	9	9	65	34	49	31	50	99	90	95	98	97
ISV22AD035	17	9	9	6	7	20	12	11	18	10	2	2	2	2	2	23	5	5	5	5	5	53	25	25	25	26	80	65	47	77	49
ISV22AD036	15	9	12	6	19	17	17	11	16	18	2	2	2	2	2	18	4	4	4	4	4	50	29	36	22	33	75	75	68	68	63
ISV22AD037	3	11	8	4	6	10	15	15	14	16	2	2	2	2	2	11	2	2	2	2	2	25	23	25	18	31	38	61	48	57	60
ISV22AD038	15	5	7	3	12	17	6	9	18	17	2	2	2	2	2	26	5	5	5	5	5	46	16	28	25	29	70	43	54	79	56
ISV22AD039	14	13	10	3	9	0	0	0	0	0	2	2	2	2	2	18	4	4	4	4	4	30	9	15	6	19	45	23	28	18	36
ISV22AD040	20	19	11	6	16	20	18	18	20	13	2	2	2	2	2	30	6	6	6	6	6	59	32	42	28	40	89	84	81	88	77
ISV22AD041	20	20	14	6	20	20	20	20	20	20	2	2	2	2	2	33	7	7	7	7	7	63	35	49	29	49	95	91	93	89	93
ISV22AD042	20	19	14	6	20	20	20	20	20	20	2	2	2	2	2	43	9	9	9	9	9	65	37	51	31	50	98	96	97	96	95
ISV22AD043	14	9	7	4	17	8	15	10	18	17	2	2	2	2	2	10	2	2	2	2	2	33	23	31	22	30	50	61	60	69	58
ISV22AD044	15	15	9	6	5	15	17	13	20	17	2	2	2	2	2	23	5	5	5	5	5	46	30	25	27	39	69	78	47	83	74
ISV22AD045	11	2	6	2	10	14	20	10	20	20	2	2	2	2	2	9	2	2	2	2	2	33	26	24	24	26	53	68	46	74	50
ISV22AD046	17	19	14	0	18	20	20	18	14	13	2	2	2	2	2	18	4	4	4	4	4	57	26	42	20	38	86	67	80	61	72


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ISV22AD047	15	20	14	0	0	18	6	10	11	15	2	2	2	2	2	29	6	6	6	6	6	55	14	18	19	43	83	36	34	59	82	
ISV22AD048	20	19	14	6	20	18	20	20	20	20	2	2	2	2	2	27	5	5	5	5	5	59	33	47	27	46	90	88	91	86	89	
ISV22AD049	11	17	12	1	5	20	16	0	4	15	2	2	2	2	2	22	4	4	4	4	4	49	23	11	10	38	75	62	22	33	74	
ISV22AD050	8	2	12	1	10	19	11	11	16	12	2	2	2	2	2	6	1	1	1	1	1	42	15	24	19	17	64	40	47	60	33	
ISV22AD051	20	20	14	6	20	20	19	16	20	20	2	2	2	2	2	31	6	6	6	6	6	62	33	44	28	48	94	87	85	88	93	
ISV22AD052	15	18	14	6	19	19	20	18	19	18	2	2	2	2	2	22	4	4	4	4	4	54	32	43	25	42	82	85	83	79	82	
ISV22AD053	13	5	7	4	16	20	18	14	19	20	2	2	2	2	2	28	6	6	6	6	6	48	30	38	27	33	72	78	72	83	63	
ISV22AD054	10	9	6	3	13	12	17	11	14	8	2	2	2	2	2	10	2	2	2	2	2	32	24	28	18	21	48	63	54	56	40	
ISV22AD055	15	17	14	6	19	20	19	14	20	20	2	2	2	2	2	19	4	4	4	4	4	55	31	39	26	43	83	81	75	81	82	
ISV22AD056	15	4	14	5	14	18	20	18	18	14	2	2	2	2	2	34	7	7	7	7	7	56	34	41	27	27	85	89	78	84	52	
ISV22AD057	10	10	0	0	0	20	20	19	16	20	2	2	2	2	2	10	2	2	2	2	2	34	24	23	20	34	52	63	44	63	65	
ISV22AD058	20	18	14	6	20	20	13	18	20	17	2	2	2	2	2	29	6	6	6	6	6	62	27	46	28	43	94	71	88	87	82	
ISV22AD059	20	19	14	6	19	20	20	19	20	20	2	2	2	2	2	40	8	8	8	8	8	64	36	48	30	49	97	95	92	94	94	
ISV22AD060	18	14	7	5	12	20	13	19	17	20	2	2	2	2	2	7	1	1	1	1	1	48	21	34	20	37	73	56	66	64	72	
ISV22AD061	19	11	14	3	17	20	18	18	17	20	2	2	2	2	2	32	6	6	6	6	6	61	29	43	25	39	93	77	83	79	76	
ISV22AD062	15	19	9	3	9	20	19	10	20	20	2	2	2	2	2	24	5	5	5	5	5	51	29	26	27	46	77	76	50	84	88	
ISV22AD063	20	15	14	4	20	13	20	19	13	20	2	2	2	2	2	25	5	5	5	5	5	54	31	46	20	42	82	82	88	63	81	
ISV21AD007	7	3	0	0	0	10	11	0	0	0	2	2	2	2	2	1	0	0	0	0	0	19	13	2	2	5	29	35	4	7	10	
																										AVG	76	70	68	70	69	

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Dept. Of Mathematics
S.I.E.T., TUMKUR - 6

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SUBJECT: Mathematics-I for CSE Stream
SUBJECT CODE: BMATS101(CSE)

COURSE OUTCOMES:

At the end of the course the student will be able to:

- CO1:** Apply the knowledge of calculus to solve problems related to polar curves.
- CO2:** Able to find the Taylor's and Maclaurin's series, indeterminate forms, partial differentiation and maxima and minima for a function of two variable
- CO3:** Analyze the solution of linear and non linear ordinary differential equations
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	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJMGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	77	1.54	2.31	0	0	0	0	0	0	0	0	0	0.77
CO2	70	1.40	2.10	0	0	0	0	0	0	0	0	0	0.70
CO3	70	1.40	2.10	0	0	0	0	0	0	0	0	0	0.70
CO4	72	1.44	2.16	0	0	0	0	0	0	0	0	0	0.72
CO5	73	1.46	2.19	0	0	0	0	0	0	0	0	0	0.73
AVG	72	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.448

MAPPING CORRELATION	LOW	MODERATELY	HIGHLY	NO
	1	2	3	0

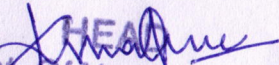
Manjunath Kumar
PRINCIPAL
SIET, TUMKUR.

Kimathur
HOD

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DEPARTMENT OF MATHEMATICS

USN	SUB CODE: BMATS101										1 ST SEMESTER										Final					%					
	T1		T2			T3					ASSIGNMENT 10					SEE	SEE MARKS														
	CO1-20	CO5-20	CO1-14	CO2-6	CO3-20	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-66	CO2-38	CO3-52	CO4-32	CO5-52	CO1	CO2	CO3	CO4	CO5
ISV22CS001	17	17	12	6	16	20	13	14	14	13	2	2	2	2	2	27	5	5	5	5	5	56	26	37	21	37	85	69	72	67	72
ISV22CS002	20	16	11	0	6	19	20	0	0	0	2	2	2	2	2	2	0	0	0	0	0	52	22	8	2	18	79	59	16	8	35
ISV22CS003	3	7	1	0	10	20	7	14	7	20	2	2	2	2	2	18	4	4	4	4	4	30	13	30	13	33	45	33	57	39	63
ISV22CS004	20	17	6	1	5	16	9	7	10	16	2	2	2	2	2	18	4	4	4	4	4	48	16	18	16	39	72	41	34	49	74
ISV22CS005	17	5	13	6	11	20	9	7	6	16	2	2	2	2	2	11	2	2	2	2	2	54	19	22	10	25	82	51	43	32	48
ISV22CS006	12	11	14	6	17	20	18	20	20	18	2	2	2	2	2	7	1	1	1	1	1	49	27	40	23	32	75	72	78	73	62
ISV22CS007	17	14	9	2	10	12	16	15	19	10	2	2	2	2	2	31	6	6	6	6	6	46	26	33	27	32	70	69	64	85	62
ISV22CS009	20	20	11	6	19	20	17	18	20	20	2	2	2	2	2	36	7	7	7	7	7	60	32	46	29	49	91	85	89	91	95
ISV22CS010	20	20	14	4	19	20	20	20	20	20	2	2	2	2	2	35	7	7	7	7	7	63	33	48	29	49	95	87	92	91	94
ISV22CS011	20	18	11	6	20	20	19	18	20	20	2	2	2	2	2	47	9	9	9	9	9	62	36	49	31	49	95	96	95	98	95
ISV22CS012	16	17	14	6	20	20	18	20	16	20	2	2	2	2	2	43	9	9	9	9	9	61	35	51	27	48	92	91	97	83	92
ISV22CS013	4	6	3	1	2	16	0	7	20	20	2	2	2	2	2	18	4	4	4	4	4	29	7	15	26	32	43	17	28	80	61
ISV22CS014	20	20	11	6	20	20	20	20	14	19	2	2	2	2	2	40	8	8	8	8	8	61	36	50	24	49	92	95	96	75	94
ISV22CS015	19	20	11	5	20	20	17	18	19	18	2	2	2	2	2	22	4	4	4	4	4	56	28	44	25	44	85	75	85	79	85
ISV22CS016	17	20	13	6	20	20	13	18	15	16	2	2	2	2	2	26	5	5	5	5	5	57	26	45	22	43	87	69	87	69	83
ISV22CS017	19	20	10	3	10	18	15	16	20	15	2	2	2	2	2	22	4	4	4	4	4	53	24	32	26	41	81	64	62	83	80
ISV22CS018	17	19	10	3	16	19	13	13	17	18	2	2	2	2	2	23	5	5	5	5	5	53	23	36	24	44	80	59	68	74	84
ISV22CS019	20	20	14	6	20	18	17	18	19	17	2	2	2	2	2	36	7	7	7	7	7	61	32	47	28	46	93	85	91	88	89
ISV22CS020	19	20	1	4	11	14	3	1	15	13	2	2	2	2	2	23	5	5	5	5	5	41	14	19	22	40	62	36	36	68	76
ISV22CS021	20	20	13	0	14	13	15	14	15	12	2	2	2	2	2	20	4	4	4	4	4	52	21	34	21	38	79	55	65	66	73
ISV22CS022	11	10	3	0	2	6	8	5	16	10	2	2	2	2	2	33	7	7	7	7	7	29	17	16	25	29	43	44	30	77	55
ISV22CS023	20	18	10	2	5	10	18	7	14	10	2	2	2	2	2	7	1	1	1	1	1	43	23	15	17	31	66	62	30	54	60
ISV22CS024	17	16	12	2	11	13	7	13	13	7	2	2	2	2	2	26	5	5	5	5	5	49	16	31	20	30	75	43	60	63	58
ISV22CS025	16	14	6	5	10	18	13	12	11	13	2	2	2	2	2	19	4	4	4	4	4	46	24	28	17	33	69	63	53	53	63
ISV22CS026	7	14	7	0	4	9	17	16	11	15	2	2	2	2	2	18	4	4	4	4	4	29	23	26	17	35	43	59	49	52	67
ISV22CS027	20	20	11	3	20	20	18	14	17	18	2	2	2	2	2	31	6	6	6	6	6	59	29	42	25	46	90	77	81	79	89
ISV22CS028	20	20	14	6	17	20	17	19	20	11	2	2	2	2	2	28	6	6	6	6	6	62	31	44	28	39	93	81	84	86	74
ISV22CS029	6	6	10	2	8	9	13	13	14	16	2	2	2	2	2	24	5	5	5	5	5	32	22	28	21	29	48	57	53	65	55
ISV22CS030	18	18	11	6	16	19	17	17	14	14	2	2	2	2	2	30	6	6	6	6	6	56	31	41	25	40	85	82	79	78	77
ISV22CS031	17	18	8	2	13	20	16	18	15	2	2	2	2	2	2	29	6	6	6	6	6	53	30	37	26	41	80	78	71	81	78
ISV22CS032	19	19	14	3	16	17	13	17	20	20	2	2	2	2	2	26	5	5	5	5	5	57	23	40	27	46	87	61	77	85	89
ISV22CS033	20	20	14	6	20	20	20	20	20	20	2	2	2	2	2	48	10	10	10	10	10	66	38	52	32	52	99	99	99	99	99
ISV22CS034	0	0	4	6	12	14	11	20	12	18	2	2	2	2	2	30	6	6	6	6	6	26	25	40	20	26	39	66	77	63	50
ISV22CS035	15	10	14	5	18	17	17	19	17	17	2	2	2	2	2	31	6	6	6	6	6	54	30	45	25	35	82	79	87	79	68
ISV22CS036	12	9	7	6	15	20	20	20	19	20	2	2	2	2	2	29	6	6	6	6	6	47	34	43	27	37	71	89	82	84	71
ISV22CS037	16	20	6	4	11	14	13	12	16	19	2	2	2	2	2	30	6	6	6	6	6	44	25	31	24	47	67	66	60	75	90
ISV22CS038	20	15	14	2	20	0	0	0	0	0	2	2	2	2	2	31	6	6	6	6	6	42	10	28	8	23	64	27	54	26	45
ISV22CS039	18	16	14	6	20	20	18	20	20	2	2	2	2	2	2	36	7	7	7	7	7	61	33	47	29	45	93	87	91	91	87
ISV22CS040	18	11	12	3	4	20	20	19	0	0	2	2	2	2	2	27	5	5	5	5	5	57	30	30	7	18	87	80	58	23	35
ISV22CS041	20	20	14	6	20	20	20	20	20	20	2	2	2	2	2	48	10	10	10	10	10	66	38	52	32	52	99	99	99	99	99
ISV22CS042	20	15	12	5	20	20	14	18	17	19	2	2	2	2	2	21	4	4	4	4	4	58	25	44	23	40	88	66	85	73	77
ISV22CS043	9	20	3	1	14	17	12	17	17	19	2	2	2	2	2	27	5	5	5	5	5	36	20	38	24	46	55	54	74	76	89
ISV22CS044	20	20	14	6	20	20	20	20	20	20	2	2	2	2	2	38	8	8	8	8	8	64	36	50	30	50	96	94	95	93	95
ISV22CS045	8	17	8	1	18	20	9	11	20	16	2	2	2	2	2	9	2	2	2	2	2	40	14	33	24	37	60	36	63	74	71
ISV22CS046	20	13	7	1	3	7	6	4	8	7	2	2	2	2	2	18	4	4	4	4	4	40	13	13	14	26	60	33	24	43	49
ISV22CS047	20	16	8	2	12	18	6	3	12	13	2	2	2	2	2	23	5	5	5	5	5	53	15	22	19	36	80	38	42	58	68


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ISV22CS048	20	18	14	1	16	17	4	12	15	2	2	2	2	2	2	23	5	5	5	5	5	58	12	35	22	27	87	31	67	68	51
ISV22CS049	19	20	14	5	20	19	20	19	17	20	2	2	2	2	2	40	8	8	8	8	8	62	35	49	27	50	94	92	94	84	96
ISV22CS050	20	18	14	3	20	17	5	7	18	18	2	2	2	2	2	18	4	4	4	4	4	57	14	33	24	42	86	36	63	74	80
ISV22CS051	20	20	11	4	14	16	17	18	16	8	2	2	2	2	2	20	4	4	4	4	4	53	27	38	22	34	80	71	73	69	65
ISV22CS052	15	13	8	2	7	19	16	16	19	15	2	2	2	2	2	27	5	5	5	5	5	49	25	30	26	35	75	67	58	83	68
ISV22CS053	11	13	4	0	6	12	3	6	14	20	2	2	2	2	2	18	4	4	4	4	4	33	9	18	20	39	49	23	34	61	74
ISV22CS054	20	20	10	6	18	20	16	20	15	20	2	2	2	2	2	45	9	9	9	9	9	61	33	49	26	51	92	87	94	81	98
ISV22CS055	18	18	14	3	15	14	16	19	17	20	2	2	2	2	2	28	6	6	6	6	6	54	27	42	25	46	81	70	80	77	88
ISV22CS056	20	15	6	2	11	12	20	15	18	11	2	2	2	2	2	24	5	5	5	5	5	45	29	33	25	33	68	76	63	78	63
ISV22CS057	0	0	4	6	10	15	5	7	18	18	2	2	2	2	2	9	2	2	2	2	2	23	15	21	22	22	35	39	40	68	42
ISV22CS058	20	20	13	4	18	20	20	19	20	16	2	2	2	2	2	40	8	8	8	8	8	63	34	47	30	46	95	89	90	94	88
ISV22CS059	19	20	11	6	20	20	17	20	20	20	2	2	2	2	2	37	7	7	7	7	7	59	32	49	29	49	90	85	95	92	95
ISV22CS061	12	19	7	4	17	8	13	11	15	20	2	2	2	2	2	18	4	4	4	4	4	33	23	34	21	45	49	59	65	64	86
ISV22CS062	4	1	14	4	17	18	20	17	19	18	2	2	2	2	2	13	3	3	3	3	3	41	29	39	24	24	62	75	74	74	45
ISV22CS063	15	19	6	2	4	18	5	13	20	18	2	2	2	2	2	18	4	4	4	4	4	45	13	23	26	43	68	33	43	80	82
ISV22CS064	5	8	12	4	18	16	15	12	18	18	2	2	2	2	2	18	4	4	4	4	4	39	25	36	24	32	58	65	68	74	61
ISV22CS065	13	20	13	5	16	18	20	20	20	13	2	2	2	2	2	27	5	5	5	5	5	51	32	43	27	40	78	85	83	86	78
ISV22CS066	17	15	10	4	0	20	20	7	19	13	2	2	2	2	2	18	4	4	4	4	4	53	30	13	25	34	80	78	24	77	65
ISV22CS067	20	18	14	6	20	20	17	20	20	20	2	2	2	2	2	27	5	5	5	5	5	61	30	47	27	45	93	80	91	86	87
ISV22CS068	18	20	10	5	18	20	17	20	19	20	2	2	2	2	2	20	4	4	4	4	4	54	28	44	25	46	82	74	85	78	88
ISV22CS069	19	20	14	4	16	20	20	15	14	20	2	2	2	2	2	26	5	5	5	5	5	60	31	38	21	47	91	82	73	66	91
ISV22CS070	20	20	14	6	19	20	20	20	20	20	2	2	2	2	2	34	7	7	7	7	7	63	35	48	29	49	95	92	92	90	94
ISV22CS071	8	11	2	4	12	7	20	11	18	11	2	2	2	2	2	3	1	1	1	1	1	20	27	26	21	25	30	70	49	64	47
ISV22CS072	12	13	14	0	0	20	0	0	0	0	2	2	2	2	2	2	0	0	0	0	0	48	2	2	2	15	73	6	5	8	30
ISV22CS073	10	6	7	2	5	15	12	3	16	18	2	2	2	2	2	20	4	4	4	4	4	38	20	14	22	30	58	53	27	69	58
ISV22CS074	20	20	12	6	20	20	20	17	18	14	2	2	2	2	2	24	5	5	5	5	5	59	33	44	25	41	89	86	84	78	78
ISV22CS075	20	12	14	6	20	18	20	17	20	18	2	2	2	2	2	28	6	6	6	6	6	60	34	45	28	38	90	88	86	86	72
ISV22CS076	18	19	10	6	13	19	18	11	18	14	2	2	2	2	2	22	4	4	4	4	4	53	30	30	24	39	81	80	58	76	76
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ISV22CS078	17	18	14	6	20	20	18	17	20	19	2	2	2	2	2	22	4	4	4	4	4	57	30	43	26	43	87	80	83	83	83
ISV22CS079	18	20	14	6	20	19	20	20	20	20	2	2	2	2	2	33	7	7	7	7	7	60	35	49	29	49	90	91	93	89	93
ISV22CS080	13	20	12	6	18	17	20	8	16	12	2	2	2	2	2	27	5	5	5	5	5	49	33	33	23	39	75	88	64	73	76
ISV22CS081	20	20	14	6	14	20	15	17	19	17	2	2	2	2	2	18	4	4	4	4	4	60	27	37	25	43	90	70	70	77	82
ISV22CS082	20	20	13	6	20	20	20	20	19	17	2	2	2	2	2	40	8	8	8	8	8	63	36	50	29	47	95	95	96	91	90
ISV22CS083	20	19	14	6	20	20	20	20	17	20	2	2	2	2	2	30	6	6	6	6	6	62	34	48	25	47	94	89	92	78	90
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ISV22CS085	11	11	14	6	6	20	20	0	7	0	2	2	2	2	2	11	2	2	2	2	2	49	30	10	11	15	75	79	20	35	29
ISV22CS086	19	19	14	6	20	20	20	18	20	20	2	2	2	2	2	50	10	10	10	10	10	65	38	50	32	51	98	100	96	100	98
ISV22CS087	6	12	7	3	11	14	13	18	7	11	2	2	2	2	2	18	4	4	4	4	4	33	22	35	13	29	49	57	67	39	55
ISV22CS088	9	6	8	0	9	12	5	13	12	9	2	2	2	2	2	12	2	2	2	2	2	33	9	26	16	19	51	25	51	51	37
ISV22CS089	17	20	14	6	20	11	14	17	17	10	2	2	2	2	2	20	4	4	4	4	4	48	26	43	23	36	73	68	83	72	69
ISV22CS090	9	17	10	5	19	9	19	13	17	8	2	2	2	2	2	13	3	3	3	3	3	33	29	37	22	30	49	75	70	68	57
ISV22CS091	20	19	14	6	20	19	13	17	18	18	2	2	2	2	2	27	5	5	5	5	5	60	26	44	25	44	92	69	85	79	85
ISV22CS092	20	20	14	6	20	20	20	17	20	16	2	2	2	2	2	35	7	7	7	7	7	63	35	46	29	45	95	92	88	91	87
ISV22CS093	18	17	12	4	18	20	20	19	17	20	2	2	2	2	2	30	6	6	6	6	6	58	32	45	25	45	88	84	87	78	87
ISV22CS094	3	12	7	0	11	19	20	19	4	17	2	2	2	2	2	12	2	2	2	2	2	33	24	34	8	33	51	64	66	26	64
ISV22CS095	20	19	14	5	14	20	20	19	18	20	2	2	2	2	2	38	8	8	8	8	8	64	35	43	28	49	96	91	82	86	93
ISV22CS096	14	17	11	6	15	18	18	16	12	20	2	2	2	2	2	5	1	1	1	1	1	46	27	34	15	40	70	71	65	47	77
ISV22CS097	17	20	14	1	20	20	20	18	20	18	2	2	2	2	2	19	4	4	4	4	4	57	27	44	26	44	86	71	84	81	84
ISV22CS098	16	20	14	6	20	19	20	19	20	19	2	2	2	2	2	33	7	7	7	7	7	58	35	48	29	48	87	91	92	89	92
ISV22CS099	6	17	14	5	14	18	18	7	10	19	2	2	2	2	2	10	2	2	2	2	2	42	27	25	14	40	64	71	48	44	77
ISV22CS100	14	9	14	6	20	20	13	17	20	7	2	2	2	2	2	8	2	2	2	2	2	52	23	41	24	20	78	59	78	74	38
ISV22CS101	20	19	14	6	20	20	20	20	14	20	2	2	2	2	2	22	4	4	4	4	4	60	32	46	20	45	92	85	89	64	87
ISV22CS102	20	19	14	6	20	20	20	20	19	14	2	2	2	2	2	43	9	9	9	9	9	65	37	51	30	44	98	96	97	93	84
ISV22CS103	17	18	13	1	14	3	20	13	20	20	2	2	2	2	2	27	5	5	5	5	5	40	28	34	27	45	61	75	66	86	87

SUBJECT: Mathematics-I for CV/ME Stream
SUBJECT CODE: BMATC101/BMATM101

COURSE OUTCOMES:

At the end of the course the student will be able to:

- CO1:** Apply the knowledge of calculus to solve problems related to polar curves.
- CO2:** Able to find the Taylor's and Maclaurin's series, indeterminate forms, partial differentiation and maxima and minima for a function of two variable
- CO3:** Analyze the solution of linear and non linear ordinary differential equations
- CO4:** Analyze the solution of higher order ordinary differential equations
- CO5:** Make use of matrix theory for solving for system of linear equations and compute eigenvalues and eigenvectors

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

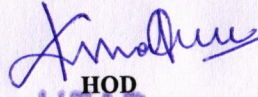
	CO %	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	74	1.48	2.22	0	0	0	0	0	0	0	0	0	0.74
CO2	63	1.26	1.89	0	0	0	0	0	0	0	0	0	0.63
CO3	70	1.40	2.10	0	0	0	0	0	0	0	0	0	0.70
CO4	67	1.34	2.01	0	0	0	0	0	0	0	0	0	0.67
CO5	66	1.32	1.98	0	0	0	0	0	0	0	0	0	0.66
AG	68	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.36

MAPPING CORELATION	LOW	MODERATELY	HIGHLY	NO
	1	2	3	0

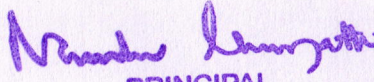
N. Srinivas Kumar
PRINCIPAL
SIET, TUMKUR.

K. Srinivas Kumar
HOD
HEAD
 Dept. Of Mathematics
 S.I.E.T., TUMKUR - 6

Academic year:2022-23		SUB Mathematics-I for Civil Stream										SUB CODE: BMATC101					TOTAL:18	1 ST SEMESTER										%				
USN	T1		T2		T3						ASSIGNMENT 10					SEE	SEE MARKS					Final					CO1	CO2	CO3	CO4	CO5	
	CO1-20	CO5-20	CO1-14	CO2-6	CO3-20	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-66	CO2-38	CO3-52	CO4-32	CO5-52						
ISV22CV001	9	9	9	0	9	20	10	0	0	0	2	2	2	2	2	18	4	4	4	4	4	44	16	15	6	15	66	41	28	18	28	
ISV22CV002	10	3	12	0	18	11	8	16	14	11	2	2	2	2	2	18	4	4	4	4	4	39	14	40	20	20	58	36	76	61	38	
ISV22CV003	8	5	4	1	18	11	8	16	14	11	2	2	2	2	2	18	4	4	4	4	4	29	15	40	20	22	43	38	76	61	42	
ISV22CV004	17	18	13	0	9	15	20	20	20	20	2	2	2	2	2	34	7	7	7	7	7	58	35	48	29	47	88	92	92	90	90	
ISV22CV005	20	18	9	6	19	20	20	20	20	20	2	2	2	2	2	27	5	5	5	5	5	54	28	43	20	37	82	75	83	64	72	
ISV22CV006	19	14	9	2	19	19	19	17	13	16	2	2	2	2	2	37	7	7	7	7	7	62	35	49	27	48	95	93	95	86	93	
ISV22CV007	20	19	13	6	20	20	20	20	18	20	2	2	2	2	2	27	5	5	5	5	5	43	10	26	20	26	66	27	51	64	51	
ISV22CV008	13	5	11	0	8	12	3	11	13	14	2	2	2	2	2	46	9	9	9	9	9	64	37	49	31	50	97	98	95	98	97	
ISV22CV009	20	19	13	6	18	20	20	20	20	20	2	2	2	2	2	44	9	9	9	9	9	65	37	51	31	51	98	97	98	96	98	
ISV22CV010	20	20	14	6	20	20	20	20	20	20	2	2	2	2	2	34	7	7	7	7	7	58	32	31	25	39	88	84	59	78	75	
ISV22CV011	17	18	13	6	16	19	17	6	16	12	2	2	2	2	2	25	5	5	5	5	5	29	7	18	7	24	44	18	35	22	46	
ISV22CV012	11	17	11	0	11	0	0	0	0	0	2	2	2	2	2	22	4	4	4	4	4	39	7	28	13	30	60	19	55	42	58	
ISV22CV013	13	15	7	1	15	13	0	7	7	9	2	2	2	2	2	4	1	1	1	1	1	20	7	15	23	12	30	18	28	71	23	
ISV22CV014	14	9	3	4	12	0	0	0	20	0	2	2	2	2	2	18	4	4	4	4	4	56	30	37	15	19	84	78	70	46	36	
ISV22CV015	18	11	12	4	17	20	20	14	9	2	2	2	2	2	23	5	5	5	5	5	44	27	34	16	37	66	70	65	49	70		
ISV22CV016	11	10	7	0	18	19	20	9	9	20	2	2	2	2	2	44	9	9	9	9	9	65	36	51	31	50	98	94	98	96	96	
ISV22CV017	20	19	14	5	20	20	20	20	20	20	2	2	2	2	2	44	9	9	9	9	9	65	36	51	31	50	98	94	98	96	96	
ISV22CV018	20	19	14	5	18	20	20	20	20	19	2	2	2	2	2	36	7	7	7	7	7	63	34	47	29	47	96	90	91	91	91	
																											AVG	74	63	70	67	66


HOD
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Dept. Of Mathematics
 S.I.E.T., TUMKUR - 6


PRINCIPAL
SIET. TUMKUR.

SUBJECT: Mathematics-I for CSE Stream
SUBJECT CODE: BMATS101(ISE)

COURSE OUTCOMES:

At the end of the course the student will be able to:

- CO1:** Apply the knowledge of calculus to solve problems related to polar curves.
- CO2:** Able to find the Taylor's and Maclaurin's series, indeterminate forms, partial differentiation and maxima and minima for a function of two variable
- CO3:** Analyze the solution of linear and non linear ordinary differential equations
- CO4:** Apply the knowledge of modular arithmetic to computer algorithms.
- CO5:** make use of matrix theory for solving for system of linear equations and compute eigenvalues and eigenvectors

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	82	1.64	2.46	0	0	0	0	0	0	0	0	0	0.82
CO2	75	1.50	2.25	0	0	0	0	0	0	0	0	0	0.75
CO3	78	1.56	2.34	0	0	0	0	0	0	0	0	0	0.78
CO4	74	1.48	2.22	0	0	0	0	0	0	0	0	0	0.74
CO5	40	0.80	1.20	0	0	0	0	0	0	0	0	0	0.40
AVG	70	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.396

MAPPING CORRELATION	LOW	MODERATELY	HIGHLY	NO
	1	2	3	0

M. Srinivas
PRINCIPAL
T. TUMKUR.

[Signature]
HOD

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Dept. Of Mathematics
S.I.E.T., TUMKUR - 6

DEPARTMENT OF MATHEMATICS

Academic year:2022-23		SUB CODE: BMATS101										TOTAL:47	1 ST SEMESTER																			
SUB		Mathematics-I for CSE Stream										SEE	SEE MARKS					Final					%									
USN	T1		T2		T3						ASSIGNMENT 10					CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-66	CO2-38	CO3-52	CO4-32	CO5-52	CO1	CO2	CO3	CO4	CO5		
	CO1-20	CO5-20	CO1-14	CO2-6	CO3-20	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2																	
ISV22IS001	20	20	14	6	20	20	20	20	20	20	2	2	2	2	2	29	6	6	6	6	6	62	34	48	28	26	94	89	92	87	50	
ISV22IS002	20	18	12	6	16	20	20	20	20	19	13	20	2	2	2	23	5	5	5	5	5	45	31	37	27	25	68	81	70	83	47	
ISV22IS003	20	20	5	4	10	13	20	20	20	20	11	2	2	2	2	30	6	6	6	6	6	55	32	40	28	26	83	84	77	88	50	
ISV22IS004	19	20	14	4	19	14	20	13	20	20	2	2	2	2	2	33	7	7	7	7	7	43	23	37	20	16	65	59	70	61	30	
ISV22IS005	16	9	7	0	10	11	14	18	11	20	2	2	2	2	2	13	3	3	3	3	3	37	25	37	25	8	55	65	70	77	15	
ISV22IS006	10	5	9	0	12	13	20	20	20	14	2	2	2	2	2	13	3	3	3	3	3	53	29	43	6	19	81	77	83	20	37	
ISV22IS007	13	15	14	3	17	20	20	20	0	20	2	2	2	2	2	22	4	4	4	4	4	57	25	33	14	18	86	65	63	43	34	
ISV22IS008	20	16	13	4	18	20	17	11	10	17	2	2	2	2	2	12	2	2	2	2	2	48	19	36	21	13	73	51	70	67	26	
ISV22IS009	17	11	7	0	12	20	15	20	17	20	2	2	2	2	2	27	5	5	5	5	5	61	33	47	27	22	93	88	91	86	43	
ISV22IS010	20	17	14	6	20	20	20	20	20	20	2	2	2	2	2	40	8	8	8	8	8	64	36	48	30	28	97	95	92	94	54	
ISV22IS011	20	20	14	6	18	20	20	20	20	18	2	2	2	2	2	38	8	8	8	8	8	64	36	50	30	28	96	94	95	93	53	
ISV22IS012	20	20	14	6	20	20	20	20	20	17	2	2	2	2	2	21	4	4	4	4	4	60	27	43	26	24	91	72	83	82	47	
ISV22IS013	20	20	14	6	17	20	15	20	20	17	2	2	2	2	2	24	5	5	5	5	5	58	26	44	20	25	88	68	84	82	48	
ISV22IS014	20	20	11	6	17	20	13	20	13	20	2	2	2	2	2	21	4	4	4	4	4	56	32	44	25	21	85	85	85	79	41	
ISV22IS015	20	17	14	6	18	16	20	20	19	20	2	2	2	2	2	6	1	1	1	1	1	38	12	27	23	5	58	32	52	73	10	
ISV22IS016	10	4	6	0	18	19	9	6	20	8	2	2	2	2	2	18	4	4	4	4	4	35	21	18	19	14	52	54	34	58	26	
ISV22IS017	10	10	1	0	0	18	15	12	13	2	2	2	2	2	2	40	8	8	8	8	8	64	36	50	30	28	97	95	96	94	54	
ISV22IS018	20	20	14	6	20	20	20	20	20	20	2	2	2	2	2	18	4	4	4	4	4	50	32	31	12	16	75	83	59	36	30	
ISV22IS019	14	12	10	6	5	20	20	6	13	2	2	2	2	2	23	5	5	5	5	5	51	9	30	10	14	77	23	57	30	26		
ISV22IS020	16	9	14	1	14	14	1	9	3	14	2	2	2	2	2	33	7	7	7	7	7	56	35	49	29	27	84	91	93	89	51	
ISV22IS021	20	20	14	6	20	13	20	20	20	20	2	2	2	2	2	18	4	4	4	4	4	46	26	40	26	23	69	67	76	80	43	
ISV22IS022	12	19	8	0	14	20	20	20	20	20	2	2	2	2	2	33	7	7	7	7	7	61	31	48	29	27	92	81	92	89	51	
ISV22IS023	18	20	14	6	20	20	16	19	20	11	2	2	2	2	2	25	5	5	5	5	5	55	22	46	27	21	83	58	88	84	40	
ISV22IS024	16	16	14	6	19	18	9	20	20	11	2	2	2	2	2	29	6	6	6	6	6	60	34	48	28	22	91	89	92	87	42	
ISV22IS025	18	16	14	6	20	20	20	20	20	20	2	2	2	2	2	22	4	4	4	4	4	54	27	37	13	16	82	72	72	42	32	
ISV22IS026	14	12	14	1	11	20	20	20	7	17	2	2	2	2	2	19	4	4	4	4	4	54	32	39	26	21	82	84	75	81	40	
ISV22IS027	14	17	14	6	13	20	20	20	20	14	20	2	2	2	2	30	6	6	6	6	6	62	34	48	22	22	94	89	92	69	42	
ISV22IS028	20	16	14	6	20	20	20	20	14	20	2	2	2	2	2	11	2	2	2	2	2	45	21	43	24	18	68	56	83	76	35	
ISV22IS029	7	16	14	0	19	20	17	20	20	20	2	2	2	2	2	11	2	2	2	2	2	40	18	44	24	19	61	48	85	76	37	
ISV22IS030	4	17	12	0	20	20	14	20	20	16	2	2	2	2	2	27	5	5	5	5	5	61	33	47	27	15	93	88	91	86	30	
ISV22IS031	20	10	14	6	20	20	20	20	20	20	2	2	2	2	2	43	9	9	9	9	9	65	37	51	31	29	98	96	97	96	55	
ISV22IS032	20	20	14	6	20	20	20	20	20	20	2	2	2	2	2	42	8	8	8	8	8	64	36	50	30	28	98	96	97	95	55	
ISV22IS033	20	20	14	6	20	20	20	20	20	20	2	2	2	2	2	20	4	4	4	4	4	37	25	31	24	17	56	66	60	75	33	
ISV22IS034	16	13	4	6	6	11	13	19	18	20	2	2	2	2	2	39	8	8	8	8	8	64	36	50	30	28	97	94	96	93	53	
ISV22IS035	20	20	14	6	20	20	20	20	20	20	2	2	2	2	2	18	4	4	4	4	4	51	32	38	22	19	77	83	72	68	36	
ISV22IS036	14	15	14	6	16	17	20	16	16	1	2	2	2	2	2	28	6	6	6	6	6	62	34	48	28	26	93	88	92	86	49	
ISV22IS038	20	20	14	6	20	20	20	20	20	20	2	2	2	2	2	21	4	4	4	4	4	56	32	46	26	24	85	85	89	82	47	
ISV22IS039	16	20	14	6	20	20	20	20	20	20	2	2	2	2	2	18	4	4	4	4	4	52	13	44	26	19	78	33	84	80	36	
ISV22IS040	18	15	14	1	18	14	6	20	20	20	2	2	2	2	2	18	4	4	4	4	4	50	15	29	19	15	75	38	55	58	28	
ISV22IS041	17	11	14	2	10	13	7	13	13	11	2	2	2	2	2	13	3	3	3	3	3	54	24	26	18	13	81	62	49	55	24	
ISV22IS042	19	10	10	2	8	20	17	13	13	16	2	2	2	2	2	42	8	8	8	8	8	64	36	50	30	27	98	96	97	95	53	
ISV22IS043	20	19	14	6	20	20	20	20	20	20	2	2	2	2	2	33	7	7	7	7	7	63	35	29	29	27	95	91	55	89	51	
ISV22IS044	20	20	14	6	20	20	20	20	20	20	2	2	2	2	2	18	4	4	4	4	4	51	30	37	26	20	77	78	70	80	38	
ISV22IS045	18	16	7	4	11	20	20	20	20	20	2	2	2	2	2	39	8	8	8	8	8	64	31	48	30	23	97	81	92	93	44	
ISV22IS046	20	15	14	1	18	20	20	20	20	20	2	2	2	2	2	38	8	8	8	8	8	64	35	50	30	24	96	91	95	93	45	
ISV22IS047	20	16	14	6	20	19	20	20	20	20	2	2	2	2	2	7	1	1	1	1	1	37	20	8	3	13	57	84	16	11	26	
ISV22IS020	15	12	4	2	0	15	15	5	0	0	2	2	2	2	2	7	1	1	1	1	1						AVG	82	75	78	74	40

HOD
 Dept. Of Mathematics
 S.I.E.T., TUMKUR - 6

PRINCIPAL
 SIET, TUMKUR.

SUBJECT: Mathematics-I for ECE Stream
SUBJECT CODE: BMATE101

COURSE OUTCOME:

At the end of the course the student will be able to:

- CO1:** Apply the knowledge of calculus to solve problems related to polar curves.
- CO2:** Able to find the Taylor's and Maclaurin's series, indeterminate forms, partial differentiation and maxima and minima for a function of two variable
- CO3:** Analyze the solution of linear and non linear ordinary differential equations
- CO4:** Apply the concept of change of order of integration and variables to evaluate multiple integral and their usage in computing area and volume.
- CO5:** Make use of matrix theory for solving for system of linear equations and compute eigenvalues and eigenvectors

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	65	1.30	1.95	0	0	0	0	0	0	0	0	0	0.65
CO2	59	1.18	1.77	0	0	0	0	0	0	0	0	0	0.59
CO3	57	1.14	1.71	0	0	0	0	0	0	0	0	0	0.57
CO4	65	1.30	1.95	0	0	0	0	0	0	0	0	0	0.65
CO5	72	1.44	2.16	0	0	0	0	0	0	0	0	0	0.72
AVG	64	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.272

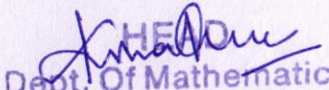
MAPPING CORELATION	LOW	MODERATELY	HIGHLY	NO
	1	2	3	0

M. Srinivas Kumar
PRINCIPAL
SIET, TUMKUR.

K. Madhu
HOD
HEAD
Dept. Of Mathematics
S.I.E.T., TUMKUR - 6

DEPARTMENT OF MATHEMATICS

Academic year:2022-23		SUB		Mathematics-I for EC & EE Stream							SUB CODE: BMATE101					TOTAL:52		1 ST SEMESTER												
USN	T1		T2			T3				ASSIGNMENT 10					SEE	SEE MARKS					Final					%				
	CO1-20	CO5-20	CO1-14	CO2-6	CO3-20	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-66	CO2-38	CO3-52	CO4-32	CO5-52	CO1	CO2	CO3	CO4
1SV22EC001	18	17	10	0	18	6	0	18	14	15	2	2	2	2	12	2	2	2	2	2	38	4	40	18	36	58	12	78	58	70
1SV22EC002	5	14	3	0	4	7	0	9	13	13	2	2	2	2	13	3	3	3	3	3	20	5	18	18	32	30	12	34	55	61
1SV22EC003	14	4	9	0	14	0	0	0	0	0	2	2	2	2	20	4	4	4	4	4	29	6	20	6	10	44	16	38	19	19
1SV22EC004	19	14	3	4	13	14	20	13	18	17	2	2	2	2	32	6	6	6	6	6	44	32	34	26	39	67	85	66	83	76
1SV22EC005	16	20	5	0	18	9	20	13	14	20	2	2	2	2	20	4	4	4	4	4	36	26	37	20	46	55	68	71	63	88
1SV22EC006	20	13	14	6	20	20	20	20	18	20	2	2	2	2	20	4	4	4	4	4	44	32	34	26	39	67	85	66	83	76
1SV22EC007	15	17	3	0	17	17	12	7	14	9	2	2	2	2	43	9	9	9	9	9	65	37	51	31	42	98	96	97	96	80
1SV22EC008	11	19	10	2	1	20	20	11	13	12	2	2	2	2	21	4	4	4	4	4	41	18	30	20	32	62	48	58	63	62
1SV22EC009	18	20	6	4	9	14	13	20	20	18	2	2	2	2	18	4	4	4	4	4	47	28	18	19	37	71	73	34	58	70
1SV22EC010	0	13	6	0	10	0	7	13	20	17	2	2	2	2	20	4	4	4	4	4	44	23	35	26	44	67	61	67	81	85
1SV22EC011	4	17	3	0	14	13	17	6	14	17	2	2	2	2	13	3	3	3	3	3	11	12	28	25	35	16	31	53	77	67
1SV22EC012	2	6	4	0	13	20	11	0	0	20	2	2	2	2	24	5	5	5	5	5	27	24	27	21	41	41	63	52	65	78
1SV22EC013	19	20	14	6	20	20	20	20	17	19	2	2	2	2	11	2	2	2	2	2	30	15	17	4	30	46	40	33	13	58
1SV22EC014	20	19	14	6	20	20	20	17	19	20	2	2	2	2	46	9	9	9	9	9	64	37	51	31	48	97	98	98	98	93
1SV22EC015	11	15	5	2	14	16	9	6	14	15	2	2	2	2	41	8	8	8	8	8	64	36	47	29	49	97	95	91	91	95
1SV22EC016	2	13	7	1	5	0	11	14	5	9	2	2	2	2	10	2	2	2	2	2	38	17	26	20	36	57	44	49	61	68
1SV22EC017	19	17	14	6	18	20	20	18	20	0	2	2	2	2	10	2	2	2	2	2	13	16	23	9	26	20	42	44	28	50
1SV22EC018	20	20	14	6	15	20	19	10	20	17	2	2	2	2	37	7	7	7	7	7	62	35	45	29	26	95	93	87	92	51
1SV22EC019	18	20	3	3	1	18	16	5	17	14	2	2	2	2	20	4	4	4	4	4	60	31	31	26	43	91	82	60	81	83
1SV22EC020	20	20	12	6	20	20	20	15	19	19	2	2	2	2	18	4	4	4	4	4	45	25	12	23	40	68	65	22	71	76
1SV22EC021	20	17	5	0	20	20	20	18	15	17	2	2	2	2	38	8	8	8	8	8	62	36	45	29	49	93	94	86	89	93
1SV22EC022	8	18	5	0	2	2	9	7	8	17	2	2	2	2	38	8	8	8	8	8	55	30	48	25	44	83	78	92	77	84
1SV22EC023	15	20	7	6	10	14	13	7	14	18	2	2	2	2	34	7	7	7	7	7	45	28	26	23	47	68	73	50	71	90
1SV22EC024	18	19	11	6	17	18	16	7	18	14	2	2	2	2	34	7	7	7	7	7	45	28	26	23	47	68	73	50	71	90
1SV22EC025	20	19	14	1	13	13	6	2	8	1	2	2	2	2	32	6	6	6	6	6	55	30	32	26	41	84	80	62	83	80
1SV22EC026	20	20	14	6	20	20	20	18	20	20	2	2	2	2	26	5	5	5	5	5	27	13	7	14	47	41	35	14	44	91
1SV22EC027	7	20	0	0	13	6	0	7	20	2	2	2	2	2	41	8	8	8	8	8	64	36	50	28	50	97	95	97	88	97
1SV22EC028	7	14	8	4	11	9	14	7	14	13	2	2	2	2	2	0	0	0	0	0	22	8	2	9	42	34	22	5	29	82
1SV22EC029	18	19	12	3	15	20	20	14	20	18	2	2	2	2	8	2	2	2	2	2	28	22	22	18	31	42	57	42	55	59
1SV22EC030	12	13	3	0	3	17	10	13	16	12	2	2	2	2	29	6	6	6	6	6	58	31	37	28	45	88	81	71	87	86
1SV22EC031	13	7	11	0	17	11	7	17	0	10	2	2	2	2	18	4	4	4	4	4	38	16	22	22	31	57	41	42	68	59
1SV22EC032	12	18	5	3	17	20	18	18	16	11	2	2	2	2	22	4	4	4	4	4	41	13	40	6	23	62	33	76	18	43
1SV22EC033	20	20	13	5	20	20	20	20	20	20	2	2	2	2	40	8	8	8	8	8	63	35	50	30	50	95	92	96	94	96
1SV22EC034	16	20	11	3	16	18	8	13	20	10	2	2	2	2	25	5	5	5	5	5	52	18	36	27	37	79	47	69	84	71
1SV22EC035	19	20	12	5	17	20	13	18	20	18	2	2	2	2	23	5	5	5	5	5	58	25	42	27	45	87	65	80	83	86
1SV22EC036	8	10	3	0	15	4	0	6	7	8	2	2	2	2	7	1	1	1	1	1	18	3	24	10	21	28	9	47	33	41
1SV22EC037	20	20	14	1	20	18	12	12	20	19	2	2	2	2	30	6	6	6	6	6	60	21	40	28	47	91	55	77	88	90
1SV22EC038	9	6	4	3	3	15	9	11	9	8	2	2	2	2	18	4	4	4	4	4	34	18	20	15	20	51	46	38	46	38
1SV22EC039	15	17	7	0	2	15	10	4	11	10	2	2	2	2	13	3	3	3	3	3	42	15	11	16	32	63	38	20	49	61
1SV22EC040	19	18	14	6	20	20	20	17	18	20	2	2	2	2	33	7	7	7	7	7	62	35	46	27	47	93	91	88	83	90
1SV22EC041	20	18	12	0	19	17	19	14	14	19	2	2	2	2	30	6	6	6	6	6	57	27	41	22	45	86	71	79	69	87
1SV22EC042	11	0	2	0	0	3	0	7	2	2	2	2	2	2	0	0	0	0	0	0	15	5	2	9	4	23	14	5	29	8
1SV22EC043	18	19	13	6	20	20	20	15	16	19	2	2	2	2	25	5	5	5	5	5	58	33	42	23	45	88	87	81	72	87
1SV22EC044	19	20	8	6	13	8	20	5	6	13	2	2	2	2	30	6	6	6	6	6	43	34	26	14	41	65	89	50	44	79
1SV22EC045	16	20	9	5	5	0	9	2	19	20	2	2	2	2	27	5	5	5	5	5	32	21	14	26	47	49	36	28	48	91
1SV22EC046	13	9	7	0	9	11	12	15	0	14	2	2	2	2	19	4	4	4	4	4	37	18	30	6	29	56	47	57	48	55


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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
SIRA ROAD, TUMKUR- 572 100
DEPARTMENT OF MATHEMATICS



ACADEMIC YEAR: 2022-2023

SUBJECT: Mathematics-II for CSE Stream
SUBJECT CODE:BMATS201

COURSE OUTCOMES:

At the end of the course the student will be able to:

CO1	Understand the applications of vector calculus refer to solenoidal, irrotational vectors, Line integral and surface integral.
CO2	Demonstrate the idea of Linear dependence and independence of sets in the vector space, And linear transformation
CO3	To understand the concept of Laplace transform and to solve initial value problems.
CO4	Apply the knowledge of numerical methods 1 in analysing the discrete data and solving the physical and engineering problems.
CO5	Apply the knowledge of numerical methods 2 in analysing the discrete data and solving the physical and engineering problems.

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

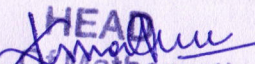
	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	52	1.04	1.56	0	0	0	0	0	0	0	0	0	0.52
CO2	53	1.06	1.59	0	0	0	0	0	0	0	0	0	0.53
CO3	57	1.14	1.71	0	0	0	0	0	0	0	0	0	0.57
CO4	55	1.10	1.65	0	0	0	0	0	0	0	0	0	0.55
CO5	48	0.96	1.44	0	0	0	0	0	0	0	0	0	0.48
AVG	53	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.4

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DEPARTMENT OF MATHEMATICS

Academic year:2022-23					SUB: MATHEMATICS-II FOR CSE STREAM										SUB CODE: BMATS201					TOTAL:64											
USN	T1		T2		T3					ASSIGNMENT 10					SEE	SEE MARKS					Final					%					
	CO4-33	CO5-7	CO5-13	CO2-27	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-32	CO2-59	CO3-32	CO4-65	CO5-52	CO1	CO2	CO3	CO4	CO5	
ISV22AD001	21	2	8	16	5	0	6	15	0	2	2	2	2	2	19	4	4	4	4	4	11	22	12	42	16	34	37	37	64	85	41
ISV22AD002	30	1	13	23	8	0	13	18	0	2	2	2	2	2	27	5	5	5	5	5	15	30	20	55	21	48	52	64	85	41	
ISV22AD003	7	0	6	11	0	8	2	0	0	2	2	2	2	2	6	1	1	1	1	1	3	22	5	10	9	10	38	16	16	18	
ISV22AD004	15	0	8	2	0	0	0	8	0	2	2	2	2	2	18	4	4	4	4	4	6	8	6	29	14	18	13	18	44	26	
ISV22AD005	20	2	13	26	9	0	7	0	17	2	2	2	2	2	28	6	6	6	6	6	17	34	15	28	40	52	57	46	42	76	
ISV22AD006	25	7	9	18	3	10	0	8	0	2	2	2	2	2	29	6	6	6	6	6	11	36	8	41	24	34	61	24	63	46	
ISV22AD007	26	7	12	21	5	0	17	10	0	2	2	2	2	2	44	9	9	9	9	9	16	32	28	47	30	49	54	87	72	57	
ISV22AD008	26	4	11	7	15	16	0	16	0	2	2	2	2	2	5	1	1	1	1	1	18	26	3	45	18	56	44	9	69	35	
ISV22AD009	16	7	10	21	10	15	0	0	11	2	2	2	2	2	25	5	5	5	5	5	17	43	7	23	35	53	73	22	35	67	
ISV22AD010	27	7	12	16	0	3	7	0	2	2	2	2	2	2	18	4	4	4	4	4	6	25	13	33	27	18	42	39	50	51	
ISV22AD011	26	7	8	25	20	0	18	20	18	2	2	2	2	2	33	7	7	7	7	7	29	34	27	55	42	89	57	83	84	80	
ISV22AD012	8	0	13	5	2	0	14	8	0	2	2	2	2	2	11	2	2	2	2	2	6	9	18	20	17	19	16	57	31	33	
ISV22AD013	21	7	13	27	19	0	0	20	20	2	2	2	2	2	41	8	8	8	8	8	29	37	10	51	50	91	63	32	79	97	
ISV22AD014	26	5	13	16	20	0	18	0	16	2	2	2	2	2	32	6	6	6	6	6	28	24	26	34	42	89	41	83	53	82	
ISV22AD015	21	7	13	27	20	19	0	0	17	2	2	2	2	2	32	6	6	6	6	6	28	24	26	34	42	89	41	83	53	82	
ISV22AD016	21	4	12	17	6	0	11	0	12	2	2	2	2	2	24	5	5	5	5	5	13	24	18	28	35	40	40	56	43	67	
ISV22AD017	25	4	8	16	19	0	13	14	0	2	2	2	2	2	38	8	8	8	8	8	29	26	23	49	22	89	43	71	75	42	
ISV22AD018	16	2	12	16	7	0	9	8	0	2	2	2	2	2	21	4	4	4	4	4	13	22	15	30	20	41	38	48	46	39	
ISV22AD019	21	4	11	22	20	20	0	0	17	2	2	2	2	2	31	6	6	6	6	6	28	50	28	29	23	88	85	88	45	45	
ISV22AD020	12	4	6	8	7	0	16	0	8	2	2	2	2	2	18	4	4	4	4	4	13	14	22	18	24	39	23	68	27	45	
ISV22AD021	29	4	13	23	0	0	18	16	20	2	2	2	2	2	32	6	6	6	6	6	8	31	26	53	45	26	53	83	82	87	
ISV22AD022	16	4	8	20	14	19	13	0	0	2	2	2	2	2	19	4	4	4	4	4	16	48	21	23	19	49	81	65	35	36	
ISV22AD023	17	2	11	24	10	18	15	0	0	2	2	2	2	2	19	4	4	4	4	4	16	48	21	23	19	49	81	65	35	36	
ISV22AD024	27	5	13	19	6	0	3	17	0	2	2	2	2	2	40	8	8	8	8	8	16	29	13	54	28	50	49	41	83	54	
ISV22AD025	22	4	13	23	7	12	14	0	0	2	2	2	2	2	14	3	3	3	3	3	12	40	19	27	22	37	67	59	41	42	
ISV22AD026	21	4	11	19	15	0	8	19	0	2	2	2	2	2	20	4	4	4	4	4	21	25	14	46	21	66	42	44	71	40	
ISV22AD027	28	6	10	23	12	20	20	0	0	2	2	2	2	2	35	7	7	7	7	7	21	52	29	37	25	66	88	91	57	48	
ISV22AD028	20	1	9	17	11	18	14	0	0	2	2	2	2	2	28	6	6	6	6	6	19	43	22	28	18	58	72	68	42	34	
ISV22AD029	6	0	6	1	2	5	14	0	0	2	2	2	2	2	18	4	4	4	4	4	8	12	20	12	12	24	20	61	18	22	
ISV22AD030	9	3	8	17	12	0	13	16	0	2	2	2	2	2	18	4	4	4	4	4	18	23	19	31	17	55	38	58	47	32	
ISV22AD031	31	4	13	26	13	0	20	20	0	2	2	2	2	2	38	8	8	8	8	8	23	36	30	61	27	71	60	93	93	51	
ISV22AD032	27	4	10	17	19	0	10	20	0	2	2	2	2	2	30	6	6	6	6	6	27	25	18	55	22	84	42	56	85	42	
ISV22AD033	25	7	12	20	11	20	15	0	0	2	2	2	2	2	10	2	2	2	2	2	15	44	19	29	23	47	75	59	45	44	
ISV22AD034	33	7	13	26	11	0	20	19	0	2	2	2	2	2	10	2	2	2	2	2	15	44	19	29	23	47	75	59	45	44	
ISV22AD035	17	5	13	22	18	0	13	0	17	2	2	2	2	2	24	5	5	5	5	5	25	29	20	24	42	78	49	62	37	80	
ISV22AD036	24	6	13	21	16	0	17	17	0	2	2	2	2	2	19	4	4	4	4	4	22	27	23	47	25	68	45	71	72	48	
ISV22AD037	14	3	10	20	6	0	9	14	0	2	2	2	2	2	15	3	3	3	3	3	11	25	14	33	18	34	42	44	51	35	
ISV22AD038	13	2	11	19	9	0	15	8	0	2	2	2	2	2	30	6	6	6	6	6	17	27	23	29	21	53	46	72	45	40	
ISV22AD039	29	3	10	20	11	0	7	8	0	2	2	2	2	2	13	3	3	3	3	3	16	25	12	42	18	49	42	36	64	34	
ISV22AD040	26	7	13	25	17	20	14	5	0	2	2	2	2	2	38	8	8	8	8	8	27	55	24	41	30	83	93	74	62	57	
ISV22AD041	31	5	13	27	18	15	18	13	0	2	2	2	2	2	34	7	7	7	7	7	27	51	27	53	27	84	86	84	81	52	
ISV22AD042	33	7	12	24	0	17	12	13	0	2	2	2	2	2	35	7	7	7	7	7	9	50	21	55	28	28	85	66	85	54	
ISV22AD043	10	6	7	10	7	0	7	12	0	2	2	2	2	2	22	4	4	4	4	4	13	16	13	28	19	42	28	42	44	37	
ISV22AD044	33	7	13	25	7	0	11	18	0	2	2	2	2	2	21	4	4	4	4	4	13	31	17	57	26	41	53	54	88	50	
ISV22AD045	32	7	11	17	1	0	1	7	0	2	2	2	2	2	10	2	2	2	2	2	5	21	5	43	22	16	36	16	66	42	
ISV22AD046	27	0	7	20	9	13	18	0	0	2	2	2	2	2	21	4	4	4	4	4	15	39	24	35	13	48	66	76	51	25	


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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
SIRA ROAD, TUMKUR- 572 106
DEPARTMENT OF MATHEMATICS



ACADEMIC YEAR: 2022-2023

SUBJECT: Mathematics-II for ECE Stream

SUBJECT CODE: BMATS201

COURSE OUTCOMES:

At the end of the course the student will be able to:

CO1	Understand the applications of vector calculus refer to solenoidal, irrotational vectors, Line integral and surface integral.
CO2	Demonstrate the idea of Linear dependence and independence of sets in the vector space, And linear transformation
CO3	To understand the concept of Laplace transform and to solve initial value problems.
CO4	Apply the knowledge of numerical methods 1 in analysing the discrete data and solving the physical and engineering problems.
CO5	Apply the knowledge of numerical methods 2 in analysing the discrete data and solving the physical and engineering problems.

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	71	1.42	2.13	0	0	0	0	0	0	0	0	0	0.71
CO2	62	1.24	1.86	0	0	0	0	0	0	0	0	0	0.62
CO3	68	1.36	2.04	0	0	0	0	0	0	0	0	0	0.68
CO4	67	1.34	2.01	0	0	0	0	0	0	0	0	0	0.67
CO5	46	0.92	1.38	0	0	0	0	0	0	0	0	0	0.46
AVG	63	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.256

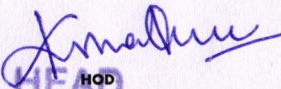
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DEPARTMENT OF MATHEMATICS

Academic year:2022-23		SUB:MATHEMATICS-II FOR EE&EC STREAM													SUB CODE: BMATE201					TOTAL:51		2ND SEM(EC&EE)																													
USN	T1		T2			T3					ASSIGNMENT 10					SEE	SEE MARKS				Final			%																											
	CO4-33	CO5-7	CO5-13	CO2-27	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-32	CO2-32	CO3-32	CO4-32	CO5-32	CO1	CO2	CO3	CO4	CO5																					
ISV22EC001	19	0	10	22	17	0	13	18	0	2	2	2	2	2	28	6	6	6	6	6	25	30	21	45	18	77	50	64	69	34																					
ISV22EC002	23	0	13	15	14	0	20	13	0	2	2	2	2	2	21	4	4	4	4	4	20	21	26	42	19	63	36	82	65	37																					
ISV22EC003	25	5	13	10	14	0	10	0	15	2	2	2	2	2	24	5	5	5	5	5	21	17	17	32	40	65	28	53	49	77																					
ISV22EC004	33	7	13	24	20	0	18	20	0	2	2	2	2	2	33	7	7	7	7	7	29	33	27	62	29	89	55	83	95	55																					
ISV22EC005	24	5	10	13	20	0	5	0	20	2	2	2	2	2	30	6	6	6	6	6	28	21	13	32	43	88	36	41	49	83																					
ISV22EC006	33	7	13	26	20	0	20	20	0	2	2	2	2	2	44	9	9	9	9	9	31	37	31	64	31	96	62	96	98	59																					
ISV22EC007	28	1	9	20	10	20	10	0	0	2	2	2	2	2	18	4	4	4	4	4	16	46	16	34	16	49	77	49	52	30																					
ISV22EC008	21	4	6	9	20	14	5	0	0	2	2	2	2	2	10	2	2	2	2	2	24	27	9	25	14	75	46	28	38	27																					
ISV22EC009	31	5	13	24	20	20	18	0	0	2	2	2	2	2	40	8	8	8	8	8	30	54	28	41	28	94	92	88	63	54																					
ISV22EC010	4	7	11	4	6	0	3	19	0	2	2	2	2	2	18	4	4	4	4	4	12	10	9	29	24	36	16	27	44	45																					
ISV22EC011	20	0	13	22	7	0	20	20	0	2	2	2	2	2	26	5	5	5	5	5	14	29	27	47	20	44	49	85	73	39																					
ISV22EC012	24	3	4	25	5	14	0	0	0	2	2	2	2	2	11	2	2	2	2	2	9	43	4	28	11	29	73	13	43	22																					
ISV22EC013	33	7	13	24	20	0	20	20	0	2	2	2	2	2	47	9	9	9	9	9	31	35	31	64	31	98	60	98	99	60																					
ISV22EC014	28	6	13	27	20	0	20	20	0	2	2	2	2	2	39	8	8	8	8	8	30	37	30	58	29	93	62	93	89	55																					
ISV22EC015	14	4	12	19	11	0	17	20	0	2	2	2	2	2	27	5	5	5	5	5	18	26	24	41	23	58	45	76	64	45																					
ISV22EC016	20	1	3	11	14	15	12	0	0	2	2	2	2	2	12	2	2	2	2	2	18	30	16	24	8	58	52	51	38	16																					
ISV22EC017	31	4	12	27	20	20	20	0	0	2	2	2	2	2	41	8	8	8	8	8	30	57	30	41	26	94	97	94	63	50																					
ISV22EC018	29	0	11	27	15	0	16	20	0	2	2	2	2	2	44	9	9	9	9	9	26	38	27	60	22	81	64	84	92	42																					
ISV22EC019	29	1	12	23	20	0	17	20	0	2	2	2	2	2	23	5	5	5	5	5	27	30	24	56	20	83	50	74	86	38																					
ISV22EC020	32	7	13	27	18	20	20	0	0	2	2	2	2	2	49	10	10	10	10	10	30	59	32	44	32	93	100	99	67	61																					
ISV22EC021	27	7	12	27	20	0	20	20	0	2	2	2	2	2	44	9	9	9	9	9	31	38	31	58	30	96	64	96	89	57																					
ISV22EC022	4	0	11	20	8	14	11	0	0	2	2	2	2	2	21	4	4	4	4	4	14	40	17	10	17	44	68	54	16	33																					
ISV22EC023	33	6	12	25	20	0	20	20	0	2	2	2	2	2	36	7	7	7	7	7	29	34	29	62	27	91	58	91	96	52																					
ISV22EC024	24	1	10	25	15	0	17	19	0	2	2	2	2	2	30	6	6	6	6	6	23	33	25	51	19	72	56	78	78	37																					
ISV22EC025	33	7	13	27	20	15	0	0	0	2	2	2	2	2	43	9	9	9	9	9	31	58	26	44	31	96	98	80	67	59																					
ISV22EC026	33	7	10	27	14	0	0	20	0	2	2	2	2	2	32	6	6	6	6	6	22	35	8	61	25	70	60	26	94	49																					
ISV22EC028	19	4	11	19	13	0	17	13	0	2	2	2	2	2	23	5	5	5	5	5	20	26	24	39	22	61	43	74	59	42																					
ISV22EC029	33	0	13	25	20	0	20	0	14	2	2	2	2	2	35	7	7	7	7	7	29	34	29	42	36	91	58	91	65	69																					
ISV22EC030	21	0	3	3	8	20	20	0	0	2	2	2	2	2	18	4	4	4	4	4	14	29	26	27	9	43	48	80	41	17																					
ISV22EC031	31	7	12	27	16	20	20	0	0	2	2	2	2	2	29	6	6	6	6	6	24	55	28	39	27	74	93	87	60	52																					
ISV22EC032	33	7	13	26	18	0	20	20	0	2	2	2	2	2	35	7	7	7	7	7	27	35	29	62	29	84	59	91	95	56																					
ISV22EC033	33	7	13	27	20	20	20	0	0	2	2	2	2	2	48	10	10	10	10	10	32	59	32	45	32	99	99	99	69	61																					
ISV22EC034	33	7	8	21	16	20	12	0	0	2	2	2	2	2	26	5	5	5	5	5	23	48	19	40	22	73	82	60	62	43																					
ISV22EC035	31	4	13	25	14	0	13	20	0	2	2	2	2	2	38	8	8	8	8	8	24	35	23	61	27	74	59	71	93	51																					
ISV22EC036	24	4	13	19	0	0	7	20	0	2	2	2	2	2	0	0	0	0	0	0	2	21	9	46	19	6	36	28	71	37																					
ISV22EC037	33	7	8	27	13	0	20	20	0	2	2	2	2	2	30	6	6	6	6	6	21	35	28	61	23	66	59	88	94	44																					
ISV22EC038	24	7	10	6	16	0	15	20	0	2	2	2	2	2	40	8	8	8	8	8	26	16	25	54	27	81	27	78	83	52																					
ISV22EC039	33	7	13	25	18	20	20	0	0	2	2	2	2	2	20	4	4	4	4	4	24	51	26	39	26	75	86	81	60	50																					
ISV22EC040	33	6	13	26	20	20	20	0	0	2	2	2	2	2	34	7	7	7	7	7	29	55	29	42	28	90	93	90	64	53																					
ISV22EC041	31	4	13	27	20	0	20	20	0	2	2	2	2	2	43	9	9	9	9	9	31	38	31	62	28	96	64	96	95	53																					
ISV22EC042	20	4	0	8	0	0	8	0	0	2	2	2	2	2	10	2	2	2	2	2	4	12	12	24	8	13	20	38	37	15																					
ISV22EC043	33	7	10	14	20	19	4	0	0	2	2	2	2	2	30	6	6	6	6	6	28	41	12	41	25	88	69	38	63	48																					
ISV22EC045	33	7	11	25	20	0	20	20	0	2	2	2	2	2	25	5	5	5	5	5	27	32	27	60	25	84	54	84	92	48																					
ISV22EC046	33	7	13	20	14	0	11	20	0	2	2	2	2	2	28	6	6	6	6	6	22	28	19	61	28	68	47	58	93	53																					
ISV22EC047	28	6	13	24	14	20	18	0	0	2	2	2	2	2	18	4	4	4	4	4	20	50	24	34	25	61	84	74	52	47																					
ISV22EE001	14	1	7	10	6	14	0	0	0	2	2	2	2	2	20	4	4	4	4	4	12	30	6	20	14	38	51	19	31	27																					
ISV22EE002	30	4	6	3	0	6	0	0	0	2	2	2	2	2	25	5	5	5	5	5	7	16	7	37	17	22	27	22	57	33																					
ISV22EE003	33	7	13	27	20	20	20	0	0	2	2	2	2	2	31	6	6	6	6	6	28	55	28	41	28	88	94	88	63	54																					
ISV22EE004	33	7	13	27	20	20	20	0	0	2	2	2	2	2	45	9	9	9	9	9	31	58	31	44	31	97	98	97	68	60																					
ISV22EE005	21	3	13	21	20	13	0	0	0	2	2	2	2	2	18	4	4	4	4	4	26	40	6	27	22	80	67	18	41	42																					
ISV22EE006	21	6	13	25	13	20	5	0	0	2	2	2	2	2	24	5	5	5	5	5	20	52	12	28	26	62	88	37	43	50																					
AVERAGE:																																															71	62	68	67	46


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 Dept. Of Mathematics
 S.I.E.T., TUMKUR - 6



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
SIRA ROAD, TUMKUR- 572 106
DEPARTMENT OF MATHEMATICS



ACADEMIC YEAR: 2022-2023

SUBJECT: TRANSFORM CALCULUS, FOURIER SERIES AND NUMERICAL TECHNIQUES
SUBJECT CODE: 21MAT31(EE)

COURSE OUTCOMES:

After successfully completing the course, the students will be able:

- C01:** To solve ordinary differential equations using Laplace transform.
- C02:** Demonstrate the Fourier series to study the behaviour of periodic functions and their applications in system communications, digital signal processing and field theory.
- C03:** To use Fourier transforms to analyze problems involving continuous-time signals and to apply Z-Transform techniques to solve difference equations
- C04:** To solve mathematical models represented by initial or boundary value problems involving partial differential equations
- C05:** Determine the extremals of functionals using calculus of variations and solve problems arising in dynamics of rigid bodies and vibrational analysis

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
C01	2	3	0	0	0	0	0	0	0	0	0	1
C02	2	3	0	0	0	0	0	0	0	0	0	1
C03	2	3	0	0	0	0	0	0	0	0	0	1
C04	2	3	0	0	0	0	0	0	0	0	0	1
C05	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C01	43	0.86	1.29	0	0	0	0	0	0	0	0	0	0.43
C02	38	0.76	1.14	0	0	0	0	0	0	0	0	0	0.38
C03	28	0.56	0.84	0	0	0	0	0	0	0	0	0	0.28
C04	29	0.58	0.87	0	0	0	0	0	0	0	0	0	0.29
C05	43	0.86	1.29	0	0	0	0	0	0	0	0	0	0.43
AVG	36	1	1	0	0	0	0	0	0	0	0	0	0
Final attainment level													0.724

MAPPING CORRELATION	LOW	MODERATELY	HIGHLY	NO
	1	2	3	0

N. Srinivas Kumar
PRINCIPAL
S.I.E.T. TUMKUR.

K. Madhu
HOD

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Dept. Of Mathematics
S.I.E.T., TUMKUR-6

DEPARTMENT OF MATHEMATICS

Academic year:2022-23		SUB:Transform Calculus, Fourier series & Numerical Technique												SUB CODE: 21MAT31					TOTAL:10			3RD SEM							
USN	T1	T2		T3					ASSIGNMENT 10					SEE	SEE MARKS					Final					%				
	CO1-40	CO5-20	CO2-20	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-72	CO2-52	CO3-32	CO4-32	CO5-52	CO1	CO2	CO3	CO4	CO5
1SV21EE001	0	4	1	15	4	0	0	0	2	2	2	2	2	6	1	1	1	1	1	18	8	3	3	7	25	16	10	10	14
1SV21EE002	1	10	3	5	7	0	12	14	2	2	2	2	2	10	2	2	2	2	2	10	14	4	16	28	14	27	13	50	54
1SV21EE003	24	20	14	14	15	14	13	20	2	2	2	2	2	18	4	4	4	4	4	44	35	20	19	46	61	67	61	58	88
1SV21EE005	11	4	10	2	8	0	0	18	2	2	2	2	2	8	2	2	2	2	2	17	22	4	4	26	23	42	11	11	49
1SV21EE006	21	1	0	13	4	0	13	12	2	2	2	2	2	18	4	4	4	4	4	40	10	6	19	19	55	18	18	58	36
1SV22EE400	0	0	0	20	19	18	0	0	2	2	2	2	2	0	0	0	0	0	0	22	21	20	2	2	31	40	63	6	4
1SV22EE401	22	9	4	17	10	0	13	17	2	2	2	2	2	18	4	4	4	4	4	45	20	6	19	32	62	38	18	58	61
1SV22EE402	26	20	6	8	6	0	0	0	2	2	2	2	2	1	0	0	0	0	0	36	14	2	2	22	50	27	7	7	43
1SV22EE403	26	17	9	8	15	9	0	0	2	2	2	2	2	5	1	1	1	1	1	37	27	12	3	20	51	52	38	9	38
1SV22EE404	26	17	9	8	15	9	0	0	2	2	2	2	2	20	4	4	4	4	4	40	30	15	6	23	56	58	47	19	44
																								AVG	43	38	28	29	43

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N. Srinivas
 PRINCIPAL
 SIET. TUMKUR.

SUBJECT: TRANSFORM CALCULUS, FOURIER SERIES AND NUMERICAL TECHNIQUES
SUBJECT CODE: 21MAT31(ISE)

COURSE OUTCOMES:

After successfully completing the course, the students will be able:

- C01:** To solve ordinary differential equations using Laplace transform.
- C02:** Demonstrate the Fourier series to study the behaviour of periodic functions and their applications in system communications, digital signal processing and field theory.
- C03:** To use Fourier transforms to analyze problems involving continuous-time signals and to apply Z-Transform techniques to solve difference equations
- C04:** To solve mathematical models represented by initial or boundary value problems involving partial differential equations
- C05:** Determine the extremals of functionals using calculus of variations and solve problems arising in dynamics of rigid bodies and vibrational analysis

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
C01	2	3	0	0	0	0	0	0	0	0	0	1
C02	2	3	0	0	0	0	0	0	0	0	0	1
C03	2	3	0	0	0	0	0	0	0	0	0	1
C04	2	3	0	0	0	0	0	0	0	0	0	1
C05	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C01	64	1.28	1.92	0	0	0	0	0	0	0	0	0	0.64
C02	61	1.22	1.83	0	0	0	0	0	0	0	0	0	0.61
C03	60	1.20	1.80	0	0	0	0	0	0	0	0	0	0.60
C04	69	1.38	2.07	0	0	0	0	0	0	0	0	0	0.69
C05	73	1.46	2.19	0	0	0	0	0	0	0	0	0	0.73
AVG	65	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.308

MAPPING CORRELATION	LOW	MODERATELY	HIGHLY	NO
	1	2	3	0

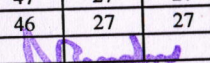
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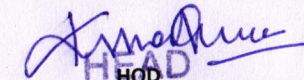
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 SIET, TUMKUR.

DEPARTMENT OF MATHEMATICS

SUB: Transform Calculus, Fourier series & Numerical Technique										SUB CODE: 21MAT31					TOTAL:36					3RD SEM(ISE)					%				
USN	T1		T2		T3			ASSIGNMENT 10					SEE	SEE MARKS					Final										
	CO1-40	CO5-20	CO2-20	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-72	CO2-52	CO3-32	CO4-32	CO5-52	CO1	CO2	CO3	CO4	CO5
1SV21IS001	21	13	9	7	13	10	12	18	2	2	2	2	2	31	6	6	6	6	6	36	30	18	20	39	50	58	57	63	75
1SV21IS002	11	4	9	0	10	20	20	0	2	2	2	2	2	23	5	5	5	5	5	50	35	7	27	34	69	67	21	83	65
1SV21IS003	32	7	10	11	18	0	20	20	2	2	2	2	2	31	6	6	6	6	6	54	28	16	28	40	75	54	51	88	77
1SV21IS004	26	12	0	20	20	8	20	20	2	2	2	2	2	9	2	2	2	2	2	63	19	9	22	44	87	36	28	68	84
1SV21IS005	39	20	11	20	4	5	18	20	2	2	2	2	2	27	5	5	5	5	5	27	43	25	27	40	38	83	79	86	78
1SV21IS006	0	13	16	20	20	18	20	20	2	2	2	2	2	31	6	6	6	6	6	68	45	28	28	48	95	87	88	88	93
1SV21IS007	40	20	17	20	20	20	20	20	2	2	2	2	2	12	2	2	2	2	2	23	20	14	24	32	33	39	45	76	62
1SV21IS008	0	8	0	19	16	10	20	20	2	2	2	2	2	25	5	5	5	5	5	67	41	27	27	47	93	79	84	84	90
1SV21IS009	40	20	14	20	20	20	20	20	2	2	2	2	2	18	4	4	4	4	4	52	35	26	26	46	72	67	80	80	88
1SV21IS010	34	20	18	12	11	20	20	20	2	2	2	2	2	25	5	5	5	5	5	49	42	27	24	44	68	81	84	75	85
1SV21IS011	22	17	15	20	20	20	17	20	2	2	2	2	2	32	6	6	6	6	6	61	35	8	22	45	85	68	26	70	87
1SV21IS012	37	18	9	16	18	0	14	19	2	2	2	2	2	8	2	2	2	2	2	62	27	4	23	23	86	51	11	71	43
1SV21IS013	38	6	4	20	19	0	19	13	2	2	2	2	2	31	6	6	6	6	6	68	46	28	28	48	95	89	88	88	93
1SV21IS014	40	20	18	20	20	20	20	20	2	2	2	2	2	22	4	4	4	4	4	64	42	26	26	44	89	82	83	83	85
1SV21IS015	38	18	16	20	20	20	20	20	2	2	2	2	2	8	2	2	2	2	2	34	24	24	14	25	47	45	74	43	47
1SV21IS016	10	14	9	20	11	20	10	7	2	2	2	2	2	8	2	2	2	2	2	50	30	24	23	31	69	57	74	71	59
1SV21IS017	28	12	9	18	17	20	19	15	2	2	2	2	2	13	3	3	3	3	3	18	19	5	25	30	24	36	14	77	57
1SV21IS018	13	13	4	0	10	0	20	12	2	2	2	2	2	25	5	5	5	5	5	35	22	16	27	46	49	42	50	84	88
1SV21IS019	20	19	14	8	1	9	20	20	2	2	2	2	2	12	2	2	2	2	2	63	43	24	24	44	88	83	76	76	85
1SV21IS021	39	20	19	20	20	20	20	20	2	2	2	2	2	1	0	0	0	0	0	25	14	2	2	31	35	27	7	7	60
1SV21IS022	14	14	6	9	6	0	0	0	12	2	2	2	2	3	1	1	1	1	1	12	11	3	3	15	16	20	8	8	28
1SV21IS023	3	0	8	6	0	0	0	12	2	2	2	2	2	3	1	1	1	1	1	53	21	23	23	40	73	40	71	71	76
1SV21IS024	33	17	6	17	12	20	20	20	2	2	2	2	2	9	2	2	2	2	2	64	44	24	22	44	89	84	74	68	84
1SV21IS025	40	20	20	20	20	20	18	20	2	2	2	2	2	29	6	6	6	6	6	54	40	28	23	47	75	77	87	71	90
1SV21IS026	26	20	12	20	20	20	15	19	2	2	2	2	2	21	4	4	4	4	4	27	31	20	15	32	38	60	63	48	62
1SV21IS027	8	13	12	13	13	14	9	13	2	2	2	2	2	25	5	5	5	5	5	26	26	23	27	41	36	50	72	84	79
1SV21IS028	6	14	5	13	14	16	20	20	2	2	2	2	2	23	5	5	5	5	5	57	32	25	27	40	79	61	77	83	76
1SV21IS029	30	13	6	20	19	18	20	20	2	2	2	2	2	20	4	4	4	4	4	12	34	10	26	38	17	65	31	81	73
1SV21IS030	0	14	13	6	15	4	20	18	2	2	2	2	2	19	4	4	4	4	4	42	23	6	14	40	58	44	18	43	77
1SV21IS031	27	14	1	9	16	0	8	20	2	2	2	2	2	18	4	4	4	4	4	51	35	26	26	45	70	67	80	80	86
1SV21IS032	30	19	14	15	15	20	20	20	2	2	2	2	2	26	5	5	5	5	5	59	21	22	18	33	82	41	69	57	64
1SV21IS033	36	10	1	16	13	15	11	16	2	2	2	2	2	12	2	2	2	2	2	39	21	24	13	17	55	41	76	42	33
1SV21IS034	21	13	17	14	0	20	9	0	2	2	2	2	2	28	6	6	6	6	6	53	42	28	12	48	73	80	86	36	92
1SV21IS035	25	20	14	20	20	20	4	20	2	2	2	2	2	27	5	5	5	5	5	67	47	27	27	46	94	91	86	86	89
1SV21IS036	40	19	20	20	20	20	20	20	2	2	2	2	2	26	5	5	5	5	5	63	46	27	27	47	88	89	85	85	91
1SV21IS037	36	20	19	20	20	20	20	20	2	2	2	2	2	26	5	5	5	5	5	63	46	27	27	47	88	89	85	85	91


 AVG: 64.61

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Dept. Of Mathematics
 S.I.E.T., TUMKUR - 6

SUBJECT: TRANSFORM CALCULUS, FOURIER SERIES AND NUMERICAL TECHNIQUES
SUBJECT CODE: 21MAT31(AIDS)

COURSE OUTCOMES:

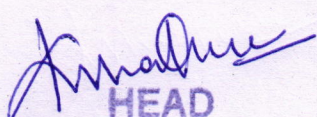
After successfully completing the course, the students will be able:


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- C04:** To solve mathematical models represented by initial or boundary value problems involving partial differential equations
- C05:** Determine the extremals of functionals using calculus of variations and solve problems arising in dynamics of rigid bodies and vibrational analysis

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
C01	2	3	0	0	0	0	0	0	0	0	0	1
C02	2	3	0	0	0	0	0	0	0	0	0	1
C03	2	3	0	0	0	0	0	0	0	0	0	1
C04	2	3	0	0	0	0	0	0	0	0	0	1
C05	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C01	51	1.02	1.53	0	0	0	0	0	0	0	0	0	0.51
C02	41	0.82	1.23	0	0	0	0	0	0	0	0	0	0.41
C03	42	0.84	1.26	0	0	0	0	0	0	0	0	0	0.42
C04	56	1.12	1.68	0	0	0	0	0	0	0	0	0	0.56
C05	51	1.01	1.52	0	0	0	0	0	0	0	0	0	0.51
AVG	48	1	1	0	0	0	0	0	0	0	0	0	0
Final attainment level													0.9628

MAPPING CORELATION	LOW	MODERATELY	HIGHLY	NO
	1	2	3	0

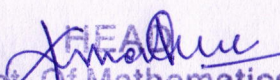

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 S.I.E.T., TUMKUR - 6

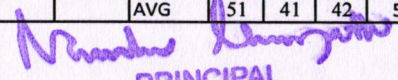

PRINCIPAL
 SIET, TUMKUR.

DEPARTMENT OF MATHEMATICS

Academic year:2022-23		SUB:Transform Calculus, Fourier series & Numerical Technique													SUB CODE: 21MAT31					TOTAL:37				3RD SEM(AI&DS)					
USN	T1	T2			T3					ASSIGNMENT 10					SEE	SEE MARKS					Final				%				
	CO1-40	CO5-20	CO2-20	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-72	CO2-52	CO3-32	CO4-32	CO5-52	CO1	CO2	CO3	CO4	CO5
ISV21AD001	20	9	2	20	20	0	0	0	2	2	2	2	2	2	0	0	0	0	0	40	24	2	2	11	56	47	8	8	22
ISV21AD002	2	13	20	6	6	6	20	6	2	2	2	2	2	5	1	1	1	1	1	9	29	9	23	22	13	56	28	72	42
ISV21AD003	25	12	6	13	18	11	20	20	2	2	2	2	2	8	2	2	2	2	2	40	28	15	24	36	55	53	46	74	68
ISV21AD004	20	2	6	6	11	6	0	4	2	2	2	2	2	6	1	1	1	1	1	27	20	9	3	9	38	39	29	10	18
ISV21AD005	40	9	0	13	20	13	0	0	2	2	2	2	2	8	2	2	2	2	2	55	24	17	4	13	76	45	52	11	24
ISV21AD006	37	16	0	13	0	0	0	17	2	2	2	2	2	13	3	3	3	3	3	53	5	5	5	38	73	9	14	14	72
ISV21AD008	10	8	0	0	0	0	0	0	2	2	2	2	2	3	1	1	1	1	1	11	3	3	3	11	15	5	8	8	20
ISV21AD009	40	20	19	20	20	20	20	20	2	2	2	2	2	22	4	4	4	4	4	64	45	26	26	46	89	87	83	83	89
ISV21AD010	22	17	10	0	0	0	0	19	2	2	2	2	2	22	4	4	4	4	4	26	16	6	6	42	37	32	20	20	82
ISV21AD011	2	12	6	0	0	0	10	20	2	2	2	2	2	11	2	2	2	2	2	4	10	4	14	36	6	20	13	44	70
ISV21AD012	23	20	15	20	20	20	20	20	2	2	2	2	2	7	1	1	1	1	1	44	38	23	23	43	62	74	73	73	83
ISV21AD013	13	5	8	0	6	20	16	0	2	2	2	2	2	21	4	4	4	4	4	17	20	26	22	11	24	39	82	69	22
ISV21AD015	19	7	5	13	20	7	20	14	2	2	2	2	2	8	2	2	2	2	2	34	29	11	24	25	47	55	33	74	47
ISV21AD016	26	9	1	13	6	0	20	15	2	2	2	2	2	18	4	4	4	4	4	43	13	6	26	30	59	24	18	80	57
ISV21AD017	26	15	0	20	6	7	10	14	2	2	2	2	2	9	2	2	2	2	2	48	10	11	14	33	66	19	34	43	63
ISV21AD019	13	10	6	13	6	0	20	16	2	2	2	2	2	18	4	4	4	4	4	30	18	6	26	32	41	34	18	80	61
ISV21AD020	0	17	15	20	20	20	20	20	2	2	2	2	2	2	0	0	0	0	0	20	37	22	22	39	28	72	70	70	76
ISV21AD021	31	16	9	20	13	10	20	0	2	2	2	2	2	18	4	4	4	4	4	55	28	16	26	22	76	53	49	80	42
ISV21AD022	24	16	6	20	20	20	20	20	2	2	2	2	2	18	4	4	4	4	4	48	32	26	26	42	66	61	80	80	80
ISV21AD023	5	3	0	1	0	5	0	6	2	2	2	2	2	6	1	1	1	1	1	7	3	8	3	12	10	6	26	10	23
ISV21AD024	0	0	2	0	0	0	0	6	2	2	2	2	2	0	0	0	0	0	0	60	17	2	22	11	84	33	8	70	22
ISV21AD025	40	2	9	20	6	0	20	7	2	2	2	2	2	2	0	0	0	0	0	60	17	2	22	11	84	33	8	70	22
ISV21AD026	40	20	19	20	20	20	20	20	2	2	2	2	2	27	5	5	5	5	5	65	46	27	27	47	91	89	86	86	91
ISV21AD027	24	1	7	20	0	0	20	7	2	2	2	2	2	3	1	1	1	1	1	45	10	3	23	11	62	18	8	71	20
ISV21AD028	9	16	0	20	20	20	19	20	2	2	2	2	2	10	2	2	2	2	2	31	24	24	23	40	43	46	75	72	77
ISV21AD029	9	4	2	7	18	20	20	6	2	2	2	2	2	4	1	1	1	1	1	17	23	23	23	13	23	44	71	71	25
ISV21AD030	19	5	2	13	6	20	20	19	2	2	2	2	2	12	2	2	2	2	2	34	12	24	24	28	48	24	76	76	55
ISV21AD031	22	1	1	7	0	0	20	2	2	2	2	2	2	7	1	1	1	1	1	40	23	16	23	23	56	45	51	73	45
ISV21AD032	26	0	0	13	20	13	20	20	2	2	2	2	2	7	1	1	1	1	1	40	23	16	23	23	56	45	51	73	45
ISV21AD033	22	3	0	11	0	0	10	9	2	2	2	2	2	4	1	1	1	1	1	34	3	3	13	15	47	5	9	40	28
ISV21AD034	9	18	15	7	13	11	20	20	2	2	2	2	2	19	4	4	4	4	4	20	34	17	26	44	28	65	53	81	84
ISV21AD035	33	20	7	20	13	20	20	20	2	2	2	2	2	23	5	5	5	5	5	58	27	27	27	47	80	51	83	83	90
ISV21AD036	32	3	13	0	0	0	0	0	2	2	2	2	2	5	1	1	1	1	1	33	16	3	3	6	46	31	9	9	12
ISV21AD037	33	11	1	20	13	14	20	11	2	2	2	2	2	18	4	4	4	4	4	57	20	20	26	28	79	38	61	80	53
ISV21AD038	39	20	20	20	20	20	20	20	2	2	2	2	2	34	7	7	7	7	7	66	49	29	29	49	91	94	90	90	94
ISV21AD039	20	20	20	20	20	20	20	20	2	2	2	2	2	22	4	4	4	4	4	44	46	26	26	46	62	89	83	83	89
ISV21AD040	30	0	0	20	0	0	0	0	2	2	2	2	2	0	0	0	0	0	0	50	2	2	2	2	69	4	6	6	4

AVG 51 41 42 56 50.7


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SUBJECT: TRANSFORM CALCULUS, FOURIER SERIES AND NUMERICAL TECHNIQUES
SUBJECT CODE: 21MAT31(CV)

COURSE OUTCOMES:

After successfully completing the course, the students will be able:

- C01:** To solve ordinary differential equations using Laplace transform.
- C02:** Demonstrate the Fourier series to study the behaviour of periodic functions and their applications in system communications, digital signal processing and field theory.
- C03:** To use Fourier transforms to analyze problems involving continuous-time signals and to apply Z-Transform techniques to solve difference equations
- C04:** To solve mathematical models represented by initial or boundary value problems involving partial differential equations
- C05:** Determine the extremals of functionals using calculus of variations and solve problems arising in dynamics of rigid bodies and vibrational analysis

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	35	0.70	1.05	0	0	0	0	0	0	0	0	0	0.35
CO2	30	0.60	0.90	0	0	0	0	0	0	0	0	0	0.30
CO3	37	0.74	1.11	0	0	0	0	0	0	0	0	0	0.37
CO4	37	0.74	1.11	0	0	0	0	0	0	0	0	0	0.37
CO5	30	0.60	0.90	0	0	0	0	0	0	0	0	0	0.30
AVG	34	1	1	0	0	0	0	0	0	0	0	0	0
Final attainment level													0.845

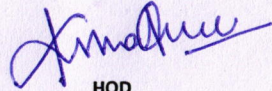
MAPPING CORRELATION	LOW	MODERATELY	HIGHLY	NO
	1	2	3	0

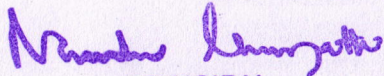
K. Madhu
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N. Srinivas
PRINCIPAL
 SIET, TUMKUR.

DEPARTMENT OF MATHEMATICS

Academic year:2022-23		SUB:Transform Calculus, Fourier series & Numerical Technique												SUB CODE: 21MAT31					TOTAL:14				3RD SEM(CIVIL)							
USN	T1	T2			T3					ASSIGNMENT 10					SEE	SEE MARKS					Final					%				
	CO1-40	CO5-20	CO2-20	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-72	CO2-52	CO3-32	CO4-32	CO5-52	CO1	CO2	CO3	CO4	CO5	
1SV21CV001	18	0	0	6	1	0	7	1	2	2	2	2	2	18	4	4	4	4	4	30	7	6	13	7	41	13	18	39	13	
1SV21CV002	3	12	2	6	7	0	6	18	2	2	2	2	2	4	1	1	1	1	1	12	12	3	9	33	16	23	9	28	63	
1SV21CV003	21	20	7	20	20	7	13	20	2	2	2	2	2	14	3	3	3	3	3	46	32	12	18	45	64	61	37	56	86	
1SV21CV004	2	0	14	4	7	14	13	0	2	2	2	2	2	6	1	1	1	1	1	9	24	17	16	3	13	47	54	51	6	
1SV21CV005	0	2	0	5	20	20	0	0	2	2	2	2	2	5	1	1	1	1	1	8	23	23	3	5	11	44	72	9	10	
1SV21CV007	13	15	0	2	20	7	13	20	2	2	2	2	2	18	4	4	4	4	4	21	26	13	19	41	29	49	39	58	78	
1SV21CV008	0	0	0	13	13	13	0	0	2	2	2	2	2	2	0	0	0	0	0	15	15	15	2	2	21	30	48	8	5	
1SV21CV010	19	1	0	14	4	0	0	0	2	2	2	2	2	4	1	1	1	1	1	36	7	3	3	4	50	13	9	9	7	
1SV21CV011	0	4	6	0	6	0	7	0	2	2	2	2	2	0	0	0	0	0	0	2	14	2	9	6	3	27	6	28	12	
1SV21CV014	0	4	5	20	0	0	0	0	2	2	2	2	2	4	1	1	1	1	1	23	8	3	3	7	32	15	9	9	13	
1SV21CV015	32	16	3	10	20	20	20	20	2	2	2	2	2	8	2	2	2	2	2	46	27	24	24	40	63	51	74	74	76	
1SV22CV400	21	0	0	20	5	16	8	1	2	2	2	2	2	18	4	4	4	4	4	47	11	22	14	7	65	20	68	43	13	
1SV22CV401	15	0	0	10	7	7	10	12	2	2	2	2	2	2	0	0	0	0	0	27	9	9	12	14	38	18	29	39	28	
1SV22CV402	18	0	0	6	0	13	20	0	2	2	2	2	2	10	2	2	2	2	2	28	4	17	24	4	39	8	53	75	8	
																									AVG	35	30	37	37	30


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SUBJECT: TRANSFORM CALCULUS, FOURIER SERIES AND NUMERICAL TECHNIQUES
SUBJECT CODE: 21MAT31(EC)

COURSE OUTCOMES:

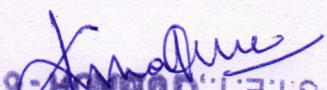
After successfully completing the course, the students will be able:

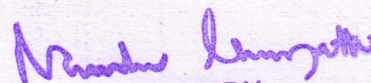
- C01:** To solve ordinary differential equations using Laplace transform.
- C02:** Demonstrate the Fourier series to study the behaviour of periodic functions and their applications in system communications, digital signal processing and field theory.
- C03:** To use Fourier transforms to analyze problems involving continuous-time signals and to apply Z-Transform techniques to solve difference equations
- C04:** To solve mathematical models represented by initial or boundary value problems involving partial differential equations
- C05:** Determine the extremals of functionals using calculus of variations and solve problems arising in dynamics of rigid bodies and vibrational analysis

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
C01	2	3	0	0	0	0	0	0	0	0	0	1
C02	2	3	0	0	0	0	0	0	0	0	0	1
C03	2	3	0	0	0	0	0	0	0	0	0	1
C04	2	3	0	0	0	0	0	0	0	0	0	1
C05	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C01	55	1.10	1.65	0	0	0	0	0	0	0	0	0	0.55
C02	50	1.00	1.50	0	0	0	0	0	0	0	0	0	0.50
C03	53	1.06	1.59	0	0	0	0	0	0	0	0	0	0.53
C04	57	1.14	1.71	0	0	0	0	0	0	0	0	0	0.57
C05	65	1.30	1.95	0	0	0	0	0	0	0	0	0	0.65
AVG	56	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.12

MAPPING CORRELATION	LOW	MODERATELY	HIGHLY	NO
	1	2	3	0


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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
SIRA ROAD, TUMKUR- 572 106
DEPARTMENT OF MATHEMATICS



ACADEMIC YEAR: 2022-2023

SUBJECT: Mathematical foundation for computing, probability & statistics
SUBJECT CODE: 21MAT41

COURSE OUTCOMES:

At the end of the course the student will be able to:

CO1	Apply the concepts of logic for effective computation and relating problems in the Engineering Domain
CO2	Analyze the concepts of function and relations to various fields of Engineering Comprehend the concepts of Graph theory for various applications of Computational sciences
CO3	Apply discrete and continues probability distribution in analysis the probability models and arising in the engineering field.
CO4	Make use of correlation and regression analysis to fit a suitable mathematical model for the statistical data.
CO5	Construct joint probability distribution and demonstrate the validity of testing the hypothesis

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	92	1.84	2.76	0	0	0	0	0	0	0	0	0	0.92
CO2	90	1.80	2.70	0	0	0	0	0	0	0	0	0	0.9
CO3	71	1.42	2.13	0	0	0	0	0	0	0	0	0	0.71
CO4	87	1.74	2.61	0	0	0	0	0	0	0	0	0	0.87
CO5	71	1.42	2.13	0	0	0	0	0	0	0	0	0	0.71
AVG	82	2	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.4

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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
SIRA ROAD, TUMKUR- 572 106
DEPARTMENT OF MATHEMATICS



ACADEMIC YEAR: 2022-2023

SUBJECT: Mathematical foundation for computing, probability & statistics
SUBJECT CODE: 21MAT41

COURSE OUTCOMES:

At the end of the course the student will be able to:

CO1	Apply the concepts of logic for effective computation and relating problems in the Engineering Domain
CO2	Analyze the concepts of function and relations to various fields of Engineering Comprehend the concepts of Graph theory for various applications of Computational sciences
CO3	Apply discrete and continues probability distribution in analysis the probability models and arising in the engineering field.
CO4	Make use of correlation and regression analysis to fit a suitable mathematical model for the statistical data.
CO5	Construct joint probability distribution and demonstrate the validity of testing the hypothesis

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	90	1.80	2.70	0	0	0	0	0	0	0	0	0	0.90
CO2	88	1.76	2.64	0	0	0	0	0	0	0	0	0	0.88
CO3	70	1.40	2.10	0	0	0	0	0	0	0	0	0	0.70
CO4	79	1.58	2.37	0	0	0	0	0	0	0	0	0	0.79
CO5	75	1.50	2.25	0	0	0	0	0	0	0	0	0	0.75
AVG	80	2	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.4

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DEPARTMENT OF MATHEMATICS

Academic year:2022-23	SUB: Mathematical foundation for computing, probability & statistics										TOTAL: 50					SUB CODE: 21MAT41					4TH SEM B SEC-CSE+ISE										
	T1		T2			T3					ASSIGNMENT 20 & QUIZ 20					SEE	SEE MARKS					Final									
	CO3-26	CO4-14	CO5-20	CO2-7	CO4-13	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2		CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-70	CO2-77	CO3-96	CO4-97	CO5-90	CO1	CO2	CO3	CO4	CO5
1SV21CS064	11	6	12	0	8	7	20	0	0	17	40	40	40	40	40	5	1	1	1	1	1	48	61	52	55	70	69	79	54	57	78
1SV21CS065	18	11	8	0	3	13	10	0	20	0	40	40	40	40	40	11	2	2	2	2	2	55	52	60	76	50	79	68	63	79	56
1SV21CS066	10	0	13	0	13	13	7	0	0	10	40	40	40	40	40	8	2	2	2	2	2	55	49	52	55	65	78	63	54	56	72
1SV21CS067	26	7	20	6	7	20	14	0	17	0	40	40	40	40	40	18	4	4	4	4	4	64	64	70	75	64	91	83	73	77	71
1SV21CS068	23	11	13	7	8	16	20	0	18	0	40	40	40	40	40	35	7	7	7	7	7	63	74	70	84	60	90	96	73	87	67
1SV21CS069	16	7	2	0	0	17	10	0	0	14	40	40	40	40	40	8	2	2	2	2	2	59	52	58	49	58	84	67	60	50	64
1SV21CS070	26	12	15	1	10	20	20	0	19	0	40	40	40	40	40	28	6	6	6	6	6	66	67	72	87	61	94	86	75	89	67
1SV21CS071	24	14	18	7	12	20	20	0	20	0	40	40	40	40	40	39	8	8	8	8	8	68	75	72	94	66	97	97	75	97	73
1SV21CS072	26	13	20	7	13	20	20	0	0	20	40	40	40	40	40	34	7	7	7	7	7	67	74	73	73	87	95	96	76	75	96
1SV21CS073	26	14	20	6	13	20	20	0	0	20	40	40	40	40	40	24	5	5	5	5	5	65	71	71	92	65	93	92	74	95	72
1SV21CS074	26	7	20	6	14	19	19	0	19	0	40	40	40	40	40	18	4	4	4	4	4	63	69	70	84	64	89	89	73	86	71
1SV21CS075	19	2	16	5	0	20	20	0	20	0	40	40	40	40	40	22	4	4	4	4	4	64	69	63	66	60	92	90	66	68	67
1SV21CS076	26	14	20	7	13	20	20	0	0	20	40	40	40	40	40	41	8	8	8	8	8	68	75	74	75	88	97	98	77	78	98
1SV21CS077	26	7	19	1	6	18	18	0	17	0	40	40	40	40	40	23	5	5	5	5	5	63	64	71	75	64	89	83	74	77	71
1SV21CS078	26	13	19	7	13	20	20	0	0	20	40	40	40	40	40	25	5	5	5	5	5	65	72	71	71	84	93	94	74	73	93
1SV21CS080	19	5	17	7	5	20	13	0	20	0	40	40	40	40	40	12	2	2	2	2	2	62	62	61	72	59	89	81	64	75	66
1SV21CS081	26	9	18	6	12	9	14	0	14	0	40	40	40	40	40	18	4	4	4	4	4	63	64	70	79	62	75	83	73	81	68
1SV21CS082	23	13	19	7	13	20	20	0	20	0	40	40	40	40	40	41	8	8	8	8	8	68	75	71	94	67	97	98	74	97	75
1SV21CS083	14	2	13	0	2	19	7	0	16	0	40	40	40	40	40	20	4	4	4	4	4	63	51	58	64	57	90	66	60	66	63
1SV21CS084	21	2	20	7	6	12	4	0	20	0	40	40	40	40	40	18	4	4	4	4	4	56	55	65	72	64	79	71	67	74	71
1SV21CS085	10	5	14	6	10	7	0	0	0	0	40	40	40	40	40	19	4	4	4	4	4	51	50	54	59	58	73	65	56	61	64
1SV21CS086	19	11	20	7	13	20	20	0	20	0	40	40	40	40	40	35	7	7	7	7	7	67	74	66	91	67	96	96	69	94	74
1SV21CS087	17	12	20	7	13	20	20	0	0	20	40	40	40	40	40	34	7	7	7	7	7	67	74	64	72	87	95	96	66	74	96
1SV21IS001	21	14	16	7	8	19	18	0	20	0	40	40	40	40	40	26	5	5	5	5	5	64	70	66	87	61	92	91	69	90	68
1SV21IS002	15	6	15	7	4	20	18	0	20	0	40	40	40	40	40	33	7	7	7	7	7	67	72	62	77	62	95	93	64	79	68
1SV21IS003	23	7	18	6	12	20	16	0	20	0	40	40	40	40	40	34	7	7	7	7	7	67	69	70	86	65	95	89	73	88	72
1SV21IS004	25	13	20	7	13	20	20	0	18	0	40	40	40	40	40	18	4	4	4	4	4	64	71	69	88	64	91	92	71	90	71
1SV21IS005	24	13	19	7	13	20	20	0	20	0	40	40	40	40	40	28	6	6	6	6	6	66	73	70	92	65	94	94	73	94	72
1SV21IS006	26	14	20	7	13	20	20	0	20	0	40	40	40	40	40	33	7	7	7	7	7	67	74	73	94	67	95	96	76	96	74
1SV21IS007	26	14	20	7	13	20	20	0	20	0	40	40	40	40	40	41	8	8	8	8	8	68	75	74	95	68	97	98	77	98	76
1SV21IS008	23	11	19	5	13	20	19	0	17	0	40	40	40	40	40	34	7	7	7	7	7	67	71	70	88	66	95	92	73	91	73
1SV21IS009	16	5	20	7	13	20	20	0	0	20	40	40	40	40	40	30	6	6	6	6	6	66	73	62	64	86	94	95	65	66	96
1SV21IS010	20	12	19	7	10	20	20	0	20	0	40	40	40	40	40	30	6	6	6	6	6	66	73	66	88	65	94	95	69	91	72
1SV21IS011	21	14	20	7	12	20	20	0	20	0	40	40	40	40	40	31	6	6	6	6	6	66	73	67	92	66	95	95	70	95	74
1SV21IS012	15	11	18	6	12	20	13	0	19	0	40	40	40	40	40	24	5	5	5	5	5	65	64	60	87	63	93	83	62	89	70
1SV21IS013	19	6	14	0	0	17	14	0	16	0	40	40	40	40	40	18	4	4	4	4	4	61	58	63	66	58	87	75	65	68	64
1SV21IS014	26	10	20	7	12	20	20	0	0	20	40	40	40	40	40	43	9	9	9	9	9	69	76	75	71	89	98	98	78	73	98
1SV21IS015	26	14	19	7	12	20	20	0	0	20	40	40	40	40	40	29	6	6	6	6	6	66	73	72	72	85	94	95	75	74	94
1SV21IS016	22	0	12	7	12	20	20	0	19	0	40	40	40	40	40	19	4	4	4	4	4	64	71	66	75	56	91	92	69	77	62
1SV21IS017	20	9	19	7	6	13	20	0	19	0	40	40	40	40	40	19	4	4	4	4	4	57	71	64	78	63	81	92	66	80	70
1SV21IS018	15	2	18	6	12	20	15	0	0	6	40	40	40	40	40	18	4	4	4	4	4	64	65	59	58	68	91	84	61	59	75
1SV21IS019	26	14	12	7	6	6	17	0	0	18	40	40	40	40	40	33	7	7	7	7	7	53	71	73	67	77	75	92	76	69	85
1SV21IS021	23	10	20	7	8	20	20	0	20	0	40	40	40	40	40	34	7	7	7	7	7	67	74	70	85	67	95	96	73	87	74
1SV21IS022	26	4	0	0	0	0	0	0	0	0	40	40	40	40	40	1	0	0	0	0	0	40	40	66	44	40	57	52	69	46	45
1SV21IS023	26	3	0	0	0	10	6	0	0	10	40	40	40	40	40	4	1	1	1	1	1	51	47	67	44	51	73	61	70	45	56
1SV21IS024	13	8	20	2	9	20	20	0	20	0	40	40	40	40	40	28	6	6	6	6	6	66	68	59	83	66	94	88	61	85	73
1SV21IS025	26	14	16	7	13	20	20	0	20	0	40	40	40	40	40	30	6	6	6	6	6	66	73	72	93	62	94	95	75	96	69
1SV21IS026	26	13	20	7	12	20	20	0	0	20	40	40	40	40	40	36	7	7	7	7	7	67	74	73	72	87	96	96	76	74	97
1SV21IS027	18	8	18	6	12	15	19	0	17	0	40	40	40	40	40	26	5	5	5	5	5	60	70	63	82	63	86	91	66	85	70
1SV21IS028	25	14	20	7	11	20	20	0	0	0	40	40	40	40	40	32	6	6	6	6	6	66	73	91	71	66	95	95	95	74	74
1SV21IS029	25	11	20	7	12	20	20	0	0	20	40	40	40	40	40	33	7	7	7	7	7	67	74	72	70	87	95	96	75	72	96
1SV21IS030	24	12	19																												



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
SIRA ROAD, TUMKUR- 572 106
DEPARTMENT OF MATHEMATICS



ACADEMIC YEAR: 2022-2023

SUBJECT: Mathematical foundation for computing, probability & statistics
SUBJECT CODE: 21MAT41

COURSE OUTCOMES:

At the end of the course the student will be able to:

CO1	Apply the concepts of logic for effective computation and relating problems in the Engineering Domain
CO2	Analyze the concepts of function and relations to various fields of Engineering Comprehend the concepts of Graph theory for various applications of Computational sciences
CO3	Apply discrete and continues probability distribution in analysis the probability models and arising in the engineering field.
CO4	Make use of correlation and regression analysis to fit a suitable mathematical model for the statistical data.
CO5	Construct joint probability distribution and demonstrate the validity of testing the hypothesis

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	79	1.44	2.16	0	0	0	0	0	0	0	0	0	0.79
CO2	78	1.18	1.78	0	0	0	0	0	0	0	0	0	0.78
CO3	62	1.46	2.19	0	0	0	0	0	0	0	0	0	0.62
CO4	67	1.46	2.19	0	0	0	0	0	0	0	0	0	0.67
CO5	64	1.42	2.13	0	0	0	0	0	0	0	0	0	0.64
AVG	70	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.4

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DEPARTMENT OF MATHEMATICS

Academic year:2022-23		SUB Mathematical foundation for computing, probability & statistics														SUB CODE: 21MAT41					4TH SEM C SEC-CSE+ISE+AI&DS					TOTAL: 59							
USN	T1		T2				T3				ASSIGNMENT & QUIZ(40M)					TOTAL	FIA	SEE	SEE MARKS					Final					%				
	CO3-26	CO4-14	CO5-20	CO2-7	CO4-13	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-40	CO2-40	CO3-40	CO4-40	CO5-40				100	50	50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-70	CO2-77	CO3-96	CO4-97	CO5-90	CO1	CO2
1SV21AD001	25	0	11	7	0	0	6	0	5	0	40	40	40	40	40	66	33	13	1.2	1.2	1.2	1.2	1.2	41.2	54	66.2	46.2	52.2	59	70	69	48	58
1SV21AD002	18	2	13	7	12	20	19	0	20	0	40	40	40	40	40	86	43	6	3.8	3.8	3.8	3.8	3.8	63.8	70	61.8	77.8	56.8	91	91	64	80	63
1SV21AD003	24	6	16	0	12	14	17	0	6	13	40	40	40	40	40	84	42	32	3.4	3.4	3.4	3.4	3.4	57.4	60	67.4	67.4	72.4	82	78	70	69	80
1SV21AD004	10	1	12	3	6	0	1	0	7	0	40	40	40	40	40	60	30	9	0.2	0.2	0.2	0.2	0.2	40.2	44	50.2	54.2	52.2	57	57	52	56	58
1SV21AD005	11	5	15	0	5	2	6	0	10	0	40	40	40	40	40	64	32	18	1.2	1.2	1.2	1.2	1.2	43.2	47	52.2	61.2	56.2	62	61	54	63	62
1SV21AD006	9	2	8	0	4	1	7	0	11	0	40	40	40	40	40	58	29	18	1.4	1.4	1.4	1.4	1.4	42.4	48	50.4	58.4	49.4	61	63	53	60	55
1SV21AD008	9	0	6	1	0	18	18	0	0	18	40	40	40	40	40	68	34	12	3.6	3.6	3.6	3.6	3.6	61.6	63	52.6	43.6	67.6	88	81	55	45	75
1SV21AD009	26	11	18	7	11	17	14	0	13	18	40	40	40	40	40	94	47	33	2.8	2.8	2.8	2.8	2.8	59.8	64	68.8	77.8	78.8	85	83	72	80	88
1SV21AD010	15	6	0	0	0	15	20	0	15	0	40	40	40	40	40	68	34	18	4	4	4	4	4	59	64	59	65	44	84	83	61	67	49
1SV21AD011	24	0	9	6	4	17	19	0	19	0	40	40	40	40	40	82	41	18	3.8	3.8	3.8	3.8	3.8	60.8	69	67.8	66.8	52.8	87	89	71	69	59
1SV21AD012	16	10	12	4	7	18	19	0	16	0	40	40	40	40	40	84	42	33	3.8	3.8	3.8	3.8	3.8	61.8	67	59.8	76.8	55.8	88	87	62	79	62
1SV21AD013	13	0	11	6	2	4	8	0	0	18	40	40	40	40	40	68	34	24	1.6	1.6	1.6	1.6	1.6	45.6	56	54.6	43.6	70.6	65	72	57	45	78
1SV21AD015	23	8	12	3	1	8	20	0	18	0	40	40	40	40	40	84	42	26	4	4	4	4	4	52	67	67	71	56	74	87	70	73	62
1SV21AD016	25	6	18	7	7	19	20	0	20	0	40	40	40	40	40	90	45	18	4	4	4	4	4	63	71	69	77	62	90	92	72	79	69
1SV21AD017	12	0	16	0	6	16	18	12	0	0	40	40	40	40	40	72	36	18	3.6	3.6	3.6	3.6	3.6	59.6	62	67.6	49.6	59.6	85	80	70	51	66
1SV21AD019	13	2	18	0	6	16	19	0	15	0	40	40	40	40	40	78	39	21	3.8	3.8	3.8	3.8	3.8	59.8	63	56.8	66.8	61.8	85	82	59	69	69
1SV21AD020	8	1	17	5	12	13	15	0	20	0	40	40	40	40	40	78	39	18	3	3	3	3	3	56	63	51	76	60	80	82	53	78	67
1SV21AD021	24	9	20	7	11	19	19	0	19	0	40	40	40	40	40	96	48	26	3.8	3.8	3.8	3.8	3.8	62.8	70	67.8	82.8	63.8	90	91	71	85	71
1SV21AD022	24	6	17	5	8	19	19	0	18	20	40	40	40	40	40	90	45	27	3.8	3.8	3.8	3.8	3.8	62.8	68	67.8	75.8	80.8	90	88	71	78	90
1SV21AD023	7	0	4	0	0	7	8	0	6	0	40	40	40	40	40	54	27	11	1.6	1.6	1.6	1.6	1.6	48.6	50	48.6	47.6	45.6	69	64	51	49	51
1SV21AD024	0	0	0	0	0	12	16	0	13	0	40	40	40	40	40	52	26	2	3.2	3.2	3.2	3.2	3.2	55.2	59	43.2	56.2	43.2	79	77	45	58	48
1SV21AD025	8	4	20	7	13	16	13	0	20	0	40	40	40	40	40	82	41	22	2.6	2.6	2.6	2.6	2.6	58.6	63	50.6	79.6	62.6	84	81	53	82	70
1SV21AD026	24	12	19	13	0	20	20	0	19	0	40	40	40	40	40	98	49	37	4	4	4	4	4	64	77	68	75	63	91	100	71	77	70
1SV21AD027	10	2	12	7	8	14	18	0	15	0	40	40	40	40	40	76	38	10	3.6	3.6	3.6	3.6	3.6	57.6	69	53.6	68.6	55.6	82	89	56	71	62
1SV21AD028	15	9	9	6	4	16	14	0	17	0	40	40	40	40	40	78	39	18	2.8	2.8	2.8	2.8	2.8	58.8	63	57.8	72.8	51.8	84	82	60	75	58
1SV21AD029	7	1	6	8	3	2	15	0	11	0	40	40	40	40	40	62	31	8	3	3	3	3	3	45	66	50	58	49	64	86	52	60	54
1SV21AD030	20	7	10	5	0	11	12	0	0	18	40	40	40	40	40	76	38	23	2.4	2.4	2.4	2.4	2.4	53.4	59	62.4	49.4	70.4	76	77	65	51	78
1SV21AD031	6	2	13	0	12	11	19	0	20	0	40	40	40	40	40	74	37	18	3.8	3.8	3.8	3.8	3.8	54.8	63	49.8	77.8	56.8	78	82	52	80	63
1SV21AD032	10	2	14	5	0	19	17	0	0	0	40	40	40	40	40	58	29	5	3.4	3.4	3.4	3.4	3.4	62.4	65	53.4	45.4	57.4	89	85	56	47	64
1SV21AD033	11	4	9	7	6	11	15	0	13	0	40	40	40	40	40	72	36	8	3	3	3	3	3	54	65	54	66	52	77	84	56	68	58
1SV21AD034	26	12	20	7	13	20	14	0	0	17	40	40	40	40	40	96	48	43	2.8	2.8	2.8	2.8	2.8	62.8	64	68.8	67.8	79.8	90	83	72	70	89
1SV21AD035	26	14	20	7	13	15	20	0	15	0	40	40	40	40	40	98	49	36	4	4	4	4	4	59	71	70	86	64	84	92	73	89	71
1SV21AD036	0	0	17	0	0	18	20	0	20	0	40	40	40	40	40	68	34	33	4	4	4	4	4	62	64	44	64	61	89	83	46	66	68
1SV21AD037	24	14	18	7	12	20	20	18	0	0	40	40	40	40	40	98	49	24	4	4	4	4	4	64	71	86	70	62	91	92	90	72	69
1SV21AD038	25	12	19	7	13	19	20	0	20	0	40	40	40	40	40	100	50	43	4	4	4	4	4	63	71	69	89	63	90	92	72	92	70
1SV21AD039	26	13	20	7	12	18	19	0	16	0	40	40	40	40	40	98	49	35	3.8	3.8	3.8	3.8	3.8	61.8	70	69.8	84.8	63.8	88	91	73	87	71
1SV21AD040	6	0	1	0	0	10	3	0	8	0	40	40	40	40	40	52	26	9	0.6	0.6	0.6	0.6	0.6	50.6	44	46.6	48.6	41.6	72	57	49	50	46
1SV22AD400	20	8	13	0	8	15	10	6	12	0	40	40	40	40	40	78	39	28	2	2	2	2	2	57	52	68	70	55	81	68	71	72	61
1SV22AD401	18	0	10	0	4	16	19	0	19	0	40	40	40	40	40	74	37	23	3.8	3.8	3.8	3.8	3.8	59.8	63	61.8	66.8	53.8	85	82	64	69	60
1SV22AD402	11	13	0	2	0	15	15	0	8	0	40	40	40	40	40	76	38	19	3	3	3	3	3	58	60	54	64	43	83	78	56	66	48
1SV22AD403	16	2	18	6	0	7	16	19	0	0	40	40	40	40	40	76	38	23	3.2	3.2	3.2	3.2	3.2	50.2	65	78.2	45.2	61.2	72	85	81	47	68
1SV22CS400	16	0	3	0	7	0	2	0	5	1	40	40	40	40	40	56	28	3	0.4	0.4	0.4	0.4	0.4	40.4	42	56.4	52.4	44.4	58	55	59	54	49
1SV22CS401	24	5	9	0	6	9	12	0	18	0	40	40	40	40	40	76	38	18	2.4	2.4	2.4	2.4	2.4	51.4	54	66.4	71.4	51.4	73	71	69	74	57
1SV22CS402	19	0	11	1	1	7	9	0	14	0	40	40	40	40	40	68	34	18	1.8	1.8	1.8	1.8	1.8	48.8	52	60.8	56.8	52.8	70	67	63	59	59
1SV22CS403	25	5	17	7	11	16	13	0	17	0	40	40	40	40	40	88	44	34	2.6	2.6	2.6	2.6	2.6	58.6	63	67.6	75.6	59.6	84	81	70	78	66
1SV22CS404	9	2	9	0	4	13	16	0	18	0	40	40	40	40	40	70	35	22	3.2	3.2	3.2	3.2	3.2	56.2									



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
SIRA ROAD, TUMKUR- 572 106
DEPARTMENT OF MATHEMATICS



ACADEMIC YEAR: 2022-2023

SUBJECT: COMPLEX ANALYSIS, PROBABILITY AND STATISTICAL METHODS
SUBJECT CODE: 21MAT41(CV)

COURSE OUTCOMES:

At the end of the course the student will be able to:

CO1	Use the concepts of an analytic function and complex potential to solve the problems arising in electromagnetic field theory, Utilize conformal transformation and complex integral arising in aerofoil theory, fluid flow visualization and image processing
CO2	Obtain series solution of Ordinary differential equation
CO3	Make use of correlation and regression analysis to fit a suitable mathematical model for the statistical data.
CO4	Apply discrete and continuous probability distribution in analysis the probability models and arising in the engineering field.
CO5	Construct joint probability distribution and demonstrate the validity of testing the hypothesis

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	66	1.32	1.98	0	0	0	0	0	0	0	0	0	0.66
CO2	63	1.26	1.89	0	0	0	0	0	0	0	0	0	0.63
CO3	60	1.20	1.80	0	0	0	0	0	0	0	0	0	0.60
CO4	57	1.14	1.71	0	0	0	0	0	0	0	0	0	0.57
CO5	58	1.16	1.74	0	0	0	0	0	0	0	0	0	0.58
AVG	61	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.4

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HEAD

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[Signature]
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S.I.E.T, TUMKUR.

DEPARTMENT OF MATHEMATICS

Academic year:2022-23		SUB Complex analysis, Probability and stastical method										SUB CODE: 21MAT41					TOTAL:14	4TH SEM CIVIL BRANCH																		
USN	T1		T2			T3					ASSIGNMENT 20 & QUIZ 20					SEE	SEE MARKS										Final					%				
	CO3-26	CO4-14	CO5-20	CO2-7	CO4-13	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-40	CO2-40	CO3-40	CO4-40	CO5-40		CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-70	CO2-77	CO3-96	CO4-97	CO5-90	CO1	CO2	CO3	CO4	CO5					
1SV21CV001	15	0	0	0	0	0	0	11	0	0	40	40	40	40	40	9	1.8	1.8	1.8	1.8	1.8	42	42	68	42	42	60	54	71	43	46					
1SV21CV002	14	10	17	2	1	8	10	0	18	0	40	40	40	40	40	11	2.2	2.2	2.2	2.2	2.2	50	54	56	71	59	72	70	59	73	66					
1SV21CV003	24	7	15	7	13	14	19	18	0	0	40	40	40	40	40	22	4.4	4.4	4.4	4.4	4.4	58	70	86	64	59	83	91	90	66	66					
1SV21CV004	17	0	9	7	6	6	4	0	0	14	40	40	40	40	40	18	3.6	3.6	3.6	3.6	3.6	50	55	61	50	67	71	71	63	51	74					
1SV21CV005	9	0	6	0	0	7	0	0	18	0	40	40	40	40	40	11	2.2	2.2	2.2	2.2	2.2	49	42	51	60	48	70	55	53	62	54					
1SV21CV007	23	12	12	7	5	0	0	0	0	0	40	40	40	40	40	22	4.4	4.4	4.4	4.4	4.4	44	51	67	61	56	63	67	70	63	63					
1SV21CV008	15	2	1	0	0	3	1	0	18	0	40	40	40	40	40	6	1.2	1.2	1.2	1.2	1.2	44	42	56	61	42	63	55	59	63	47					
1SV21CV010	0	0	3	3	0	0	0	0	0	0	40	40	40	40	40	5	1.0	1.0	1.0	1.0	1.0	41	44	41	41	44	59	57	43	42	49					
1SV21CV011	0	0	1	0	0	0	4	0	0	0	40	40	40	40	40	2	0.4	0.4	0.4	0.4	0.4	44	40	40	40	41	63	52	42	42	46					
1SV21CV014	0	0	1	0	0	0	0	1	0	0	40	40	40	40	40	0	0.0	0.0	0.0	0.0	0.0	40	40	40	40	41	63	52	42	42	46					
1SV21CV015	25	14	16	7	8	0	0	0	0	0	40	40	40	40	40	23	4.6	4.6	4.6	4.6	4.6	45	52	70	67	61	64	67	73	69	67					
1SV22CV400	14	12	17	5	7	0	0	0	0	0	40	40	40	40	40	19	3.8	3.8	3.8	3.8	3.8	44	49	58	63	61	63	63	60	65	68					
1SV22CV401	9	5	18	7	6	7	0	9	0	0	40	40	40	40	40	9	1.8	1.8	1.8	1.8	1.8	49	49	60	53	60	70	63	62	54	66					
1SV22CV402	9	3	10	1	2	0	2	0	12	0	40	40	40	40	40	18	3.6	3.6	3.6	3.6	3.6	44	47	53	61	54	62	61	55	62	60					
																									AVG	66	63	60	57	58						

Anand Kumar
 HOD
HEAD

Dept. Of Mathematics
 S.I.E.T., TUMKUR - 6

Narasimha Murthy
 PRINCIPAL
 SIET. TUMKUR.

SUBJECT: COMPLEX ANALYSIS, PROBABILITY AND STATISTICAL METHODS
SUBJECT CODE: 21MAT41(ECE)

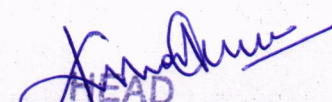
COURSE OUTCOMES:

At the end of the course the student will be able to:

CO1	Use the concepts of an analytic function and complex potential to solve the problems arising in electromagnetic field theory, Utilize conformal transformation and complex integral arising in aerofoil theory, fluid flow visualization and image processing
CO2	Obtain series solution of Ordinary differential equation
CO3	Make use of correlation and regression analysis to fit a suitable mathematical model for the statistical data.
CO4	Apply discrete and continuous probability distribution in analysis the probability models and arising in the engineering field.
CO5	Construct joint probability distribution and demonstrate the validity of testing the hypothesis

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

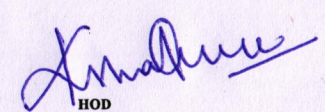
	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	86	1.72	2.58	0	0	0	0	0	0	0	0	0	0.86
CO2	81	1.62	2.43	0	0	0	0	0	0	0	0	0	0.81
CO3	74	1.48	2.22	0	0	0	0	0	0	0	0	0	0.74
CO4	81	1.62	2.43	0	0	0	0	0	0	0	0	0	0.81
CO5	68	1.36	2.04	0	0	0	0	0	0	0	0	0	0.68
AVG	78	2	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.4

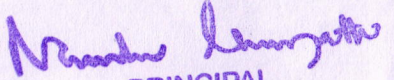

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DEPARTMENT OF MATHEMATICS

Academic year:2022-23				SUB CODE: 21MAT41										TOTAL:42	4TH SEM ECE BRANCH										Final					%				
USN	T1		T2		T3					ASSIGNMENT 20 & QUIZ 20					SEE	SEE MARKS					Final					%								
	CO3-26	CO4-14	CO5-20	CO2-7	CO4-13	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-40	CO2-40	CO3-40	CO4-40	CO5-40	30	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-70	CO2-77	CO3-96	CO4-97	CO5-90	CO1	CO2	CO3	CO4	CO5			
1SV21EC001	26	11	20	5	13	13	6	0	16	0	40	40	40	40	40	30	6.0	6.0	6.0	6.0	6.0	39	57	72	86	66	84	74	75	89	73			
1SV21EC002	26	14	20	7	13	20	20	20	0	0	40	40	40	40	40	34	6.8	6.8	6.8	6.8	6.8	67	74	93	74	67	95	96	97	76	74			
1SV21EC003	26	14	19	7	13	20	20	0	18	0	40	40	40	40	40	41	8.2	8.2	8.2	8.2	8.2	68	75	74	93	67	97	98	77	96	75			
1SV21EC004	19	0	11	7	9	9	7	20	0	0	40	40	40	40	40	0	0.0	0.0	0.0	0.0	0.0	49	54	79	49	51	70	70	82	51	57			
1SV21EC005	24	11	10	6	6	12	2	18	0	0	40	40	40	40	40	8	1.6	1.6	1.6	1.6	1.6	54	50	84	59	52	77	64	87	60	57			
1SV21EC006	25	13	20	5	13	20	20	0	0	20	40	40	40	40	40	37	7.4	7.4	7.4	7.4	7.4	67	72	72	73	87	96	94	75	76	97			
1SV21EC007	25	12	16	5	13	20	20	0	19	0	40	40	40	40	40	9	1.8	1.8	1.8	1.8	1.8	62	67	67	86	58	88	87	70	88	64			
1SV21EC008	26	14	20	7	12	20	20	0	19	0	40	40	40	40	40	36	7.2	7.2	7.2	7.2	7.2	67	74	73	92	67	96	96	76	95	75			
1SV21EC009	26	14	20	7	13	20	20	20	0	0	40	40	40	40	40	37	7.4	7.4	7.4	7.4	7.4	67	74	93	74	67	96	97	97	77	75			
1SV21EC010	26	14	20	7	13	20	20	0	20	0	40	40	40	40	40	32	6.4	6.4	6.4	6.4	6.4	66	73	72	93	66	95	95	75	96	74			
1SV21EC011	26	14	20	7	12	20	19	0	19	0	40	40	40	40	40	44	8.8	8.8	8.8	8.8	8.8	69	75	75	94	69	98	97	78	97	76			
1SV21EC012	19	7	6	0	0	0	5	13	0	0	40	40	40	40	40	18	3.6	3.6	3.6	3.6	3.6	44	49	76	51	50	62	63	79	52	55			
1SV21EC013	26	14	18	7	10	20	20	0	20	0	40	40	40	40	40	21	4.2	4.2	4.2	4.2	4.2	59	71	64	88	64	85	92	67	91	71			
1SV21EC014	20	13	20	7	11	15	20	0	20	0	40	40	40	40	40	35	7.0	7.0	7.0	7.0	7.0	67	73	93	74	67	96	95	97	76	74			
1SV21EC015	26	14	20	6	13	20	20	20	0	0	40	40	40	40	40	23	4.6	4.6	4.6	4.6	4.6	59	46	64	78	56	84	59	66	80	62			
1SV21EC016	19	6	11	1	7	14	0	0	20	0	40	40	40	40	40	1	0.2	0.2	0.2	0.2	0.2	44	40	74	46	50	63	52	77	48	56			
1SV21EC017	21	6	4	0	0	4	0	13	0	6	40	40	40	40	40	1	0.2	0.2	0.2	0.2	0.2	64	70	70	91	64	91	90	73	93	71			
1SV21EC018	26	14	20	6	13	20	20	0	20	0	40	40	40	40	40	18	3.6	3.6	3.6	3.6	3.6	64	70	70	91	64	99	96	78	78	99			
1SV21EC019	26	14	20	7	13	20	18	0	0	20	40	40	40	40	40	45	9.0	9.0	9.0	9.0	9.0	69	74	75	76	89	99	96	78	78	99			
1SV21EC020	20	10	19	2	7	20	17	0	18	0	40	40	40	40	40	15	3.0	3.0	3.0	3.0	3.0	63	62	63	78	62	90	81	66	80	69			
1SV21EC021	18	6	16	0	0	18	0	0	19	0	40	40	40	40	40	12	2.4	2.4	2.4	2.4	2.4	51	51	75	62	50	73	67	79	64	56			
1SV21EC022	15	6	8	0	0	9	9	18	14	0	40	40	40	40	40	30	6.0	6.0	6.0	6.0	6.0	66	70	72	93	66	94	91	75	96	73			
1SV21EC023	26	14	20	6	13	20	18	0	20	0	40	40	40	40	40	30	6.0	6.0	6.0	6.0	6.0	66	73	73	93	67	96	95	76	96	74			
1SV21EC024	26	14	20	6	12	20	20	0	20	0	40	40	40	40	40	35	7.0	7.0	7.0	7.0	7.0	67	73	73	89	63	95	70	76	91	70			
1SV21EC025	26	10	16	7	12	20	0	0	20	0	40	40	40	40	40	33	6.6	6.6	6.6	6.6	6.6	67	54	73	89	63	95	70	76	91	70			
1SV21EC027	24	13	19	6	12	20	20	0	20	0	40	40	40	40	40	18	3.6	3.6	3.6	3.6	3.6	64	70	68	89	63	91	90	70	91	70			
1SV21EC028	11	0	2	7	6	14	0	0	13	0	40	40	40	40	40	8	1.6	1.6	1.6	1.6	1.6	56	49	53	61	44	79	63	55	62	48			
1SV21EC029	12	8	9	7	3	6	6	0	18	0	40	40	40	40	40	13	2.6	2.6	2.6	2.6	2.6	49	56	55	72	52	69	72	57	74	57			
1SV21EC030	25	14	19	7	13	14	13	0	20	0	40	40	40	40	40	31	6.2	6.2	6.2	6.2	6.2	60	66	71	93	65	86	86	74	96	72			
1SV21EC031	25	8	12	7	3	8	6	0	20	0	40	40	40	40	40	18	3.6	3.6	3.6	3.6	3.6	52	57	69	75	56	74	74	71	77	62			
1SV21EC032	25	13	13	7	6	20	1	0	9	0	40	40	40	40	40	6	1.2	1.2	1.2	1.2	1.2	61	49	66	69	54	87	64	69	71	60			
1SV21EC033	26	14	20	7	13	20	20	0	20	0	40	40	40	40	40	36	7.2	7.2	7.2	7.2	7.2	67	74	73	94	67	96	96	76	97	75			
1SV21EC034	22	13	20	6	12	20	20	0	20	0	40	40	40	40	40	20	4.0	4.0	4.0	4.0	4.0	64	70	66	89	64	91	91	69	92	71			
1SV21EC035	19	9	19	4	12	20	12	0	20	0	40	40	40	40	40	29	5.8	5.8	5.8	5.8	5.8	66	62	65	87	65	94	80	68	89	72			
1SV22EC400	20	10	15	4	10	20	0	14	15	0	40	40	40	40	40	1	0.2	0.2	0.2	0.2	0.2	60	44	74	75	55	86	57	77	78	61			
1SV22EC401	20	12	15	5	6	0	10	12	15	0	40	40	40	40	40	12	2.4	2.4	2.4	2.4	2.4	42	57	74	75	57	61	75	78	78	64			
1SV22EC402	11	0	2	7	6	14	0	0	13	0	40	40	40	40	40	0	0.0	0.0	0.0	0.0	0.0	54	47	51	59	42	77	61	53	61	47			
1SV22EC403	19	7	6	0	0	0	5	13	0	0	40	40	40	40	40	1	0.2	0.2	0.2	0.2	0.2	40	45	72	47	46	57	59	75	49	51			
1SV22EC404	23	13	19	1	9	14	14	5	20	0	40	40	40	40	40	37	7.4	7.4	7.4	7.4	7.4	61	62	75	89	66	88	81	79	92	74			
1SV22EC405	24	12	20	7	13	20	20	0	20	0	40	40	40	40	40	19	3.8	3.8	3.8	3.8	3.8	64	71	68	89	64	91	92	71	92	71			
1SV22EC406	18	11	20	7	11	14	19	0	20	9	40	40	40	40	40	20	4.0	4.0	4.0	4.0	4.0	58	70	62	86	73	83	91	65	89	81			
1SV22EC407	22	13	19	7	13	20	19	0	20	0	40	40	40	40	40	26	5.2	5.2	5.2	5.2	5.2	65	71	67	91	64	93	92	70	94	71			
																										AVG	86	81	74	81	68			


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 S.I.E.T., TUMKUR - 6


PRINCIPAL
 SIET. TUMKUR.

SUBJECT: COMPLEX ANALYSIS, PROBABILITY AND STATISTICAL METHODS
SUBJECT CODE: 21MAT41(EE)

COURSE OUTCOMES:

At the end of the course the student will be able to:

CO1	Use the concepts of an analytic function and complex potential to solve the problems arising in electromagnetic field theory, Utilize conformal transformation and complex integral arising in aerofoil theory, fluid flow visualization and image processing
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CO5	Construct joint probability distribution and demonstrate the validity of testing the hypothesis

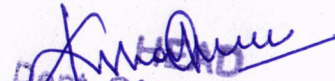
	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	54	1.08	1.62	0	0	0	0	0	0	0	0	0	0.54
CO2	55	1.10	1.65	0	0	0	0	0	0	0	0	0	0.55
CO3	66	1.32	1.98	0	0	0	0	0	0	0	0	0	0.66
CO4	62	1.24	1.86	0	0	0	0	0	0	0	0	0	0.62
CO5	53	1.06	1.59	0	0	0	0	0	0	0	0	0	0.53
AVG	58	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.4

K. Madhu
HEAD
 Dept. Of Mathematics
 S.I.E.T., TUMKUR - 6

Manjunath Kumar
PRINCIPAL
 S.I.E.T. TUMKUR.

Academic year:2022-23			SUB Complex analysis, Probability and stastical method					SUB CODE: 21MAT41					TOTAL:10					4TH SEM EEE BRANCH												
USN	T1		T2			T3					ASSIGNMENT 20 & QUIZ 20					SEE	SEE MARKS					Final								
	CO3-26	CO4-14	CO5-20	CO2-7	CO4-13	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-40	CO2-40	CO3-40	CO4-40	CO5-40	50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-70	CO2-77	CO3-96	CO4-97	CO5-90				
ISV21EE001	10	4	6	2	3	5	10	20	0	0	40	40	40	40	40	11	2.2	2.2	2.2	2.2	2.2	47	54	72	49	48				
ISV21EE002	0	0	3	0	0	5	0	0	16	0	40	40	40	40	40	7	1.4	1.4	1.4	1.4	1.4	46	41	41	57	44				
ISV21EE003	21	13	16	6	13	20	19	0	0	20	40	40	40	40	40	33	6.6	6.6	6.6	6.6	6.6	67	72	68	73	83				
ISV21EE005	0	0	3	2	0	14	12	20	0	0	40	40	40	40	40	24	4.8	4.8	4.8	4.8	4.8	59	59	65	45	48				
ISV21EE006	20	7	13	7	13	18	12	0	20	0	40	40	40	40	40	10	2.0	2.0	2.0	2.0	2.0	60	61	62	82	55				
ISV22EE400	24	14	0	0	0	0	0	0	0	0	40	40	40	40	40	8	1.6	1.6	1.6	1.6	1.6	42	42	66	56	42				
ISV22EE401	22	13	18	1	8	20	17	16	0	0	40	40	40	40	40	22	4.4	4.4	4.4	4.4	4.4	64	62	82	65	62				
ISV22EE402	24	14	0	0	0	0	0	0	0	0	40	40	40	40	40	9	1.8	1.8	1.8	1.8	1.8	42	42	66	56	42				
ISV22EE403	26	14	0	0	0	8	13	0	18	0	40	40	40	40	40	11	2.2	2.2	2.2	2.2	2.2	50	55	68	74	42				
ISV22EE404	26	14	0	0	0	20	14	0	0	20	40	40	40	40	40	28	5.6	5.6	5.6	5.6	5.6	66	60	72	60	66				
																					AVERAGE:					54	55	66	62	53


 Head of Mathematics
 S.I.E.T., TUMKUR - 6


 PRINCIPAL
 SIET. TUMKUR.

DEPARTMENT OF MATHEMATICS

**CO's and PO's
mapping and attainment**



Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
 Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

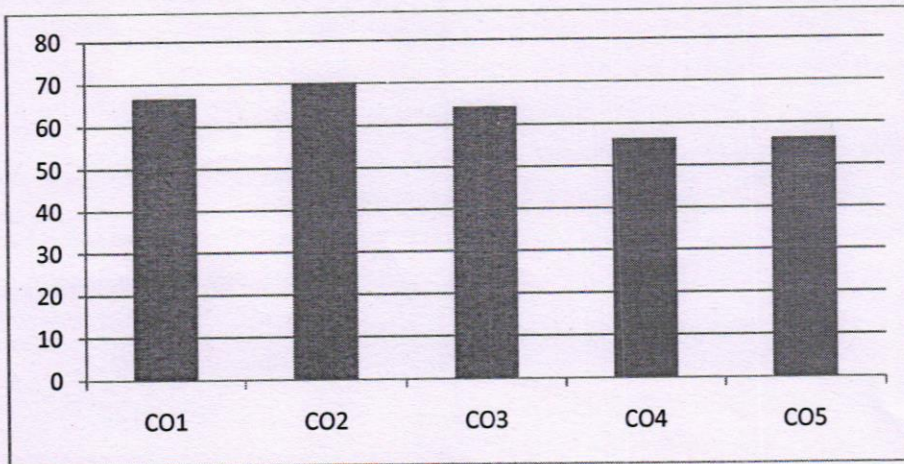
(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)



DEPARTMENT OF MATHEMATICS

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY		
FACULTY NAME	Dr. KISHOR KUMAR M K/Dr. CHETANA C/Prof. RASHMI S B		
BRANCH	ECE/EEE/CSE/CVE/ISE/AIDS/ME	ACADEMIC YEAR	2021-22
COURSE	B.E	SEMESTER	I
		SECTION	A,B,C,D
SUBJECT	CALCULUS AND DIFFERENTIAL EQUATION		SUBJECT CODE 21MAT11
CO & PO MAPPING			

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	67	1.34	1.99	0	0	0	0	0	0	0	0	0	0.67
CO2	70	1.40	2.10	0	0	0	0	0	0	0	0	0	0.70
CO3	64	1.28	1.92	0	0	0	0	0	0	0	0	0	0.64
CO4	57	1.13	1.69	0	0	0	0	0	0	0	0	0	0.57
CO5	56	1.12	1.69	0	0	0	0	0	0	0	0	0	0.56
AVG	63	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.4



Kishor Kumar
 Staff in-charge

Kishor Kumar
 HOD

Chetana C
 PRINCIPAL
 SIET, TUMAKURU
 Principal

Academic year:2021-22		SEM I	Total strength										83	Subject	CALCULUS & LINEAR ALGEBRA					Subject Code	21MAT11					% of individual CO							
SEM-I	IA TEST 2(40M)					IA TEST 3(100M)					ASSIGNMENT / QUIZ 20 M)					SEE MARKS(50)					Total Cos ATTAINMENT												
USN	COS	TOTAL	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	COS	TOTAL	CO1	CO2	CO3	CO4	COS	CO1=10	CO2	CO3	CO4	COS	CO1=34	CO2=34	CO3=54	CO4=54	COS=74	CO1	CO2	CO3	CO4	COS		
15V21EC001	26	26	12	12	24	10	5	5	10	5	35	4	4	4	4	4	5.8	5.8	5.8	5.8	5.8	19.8	14.8	26.8	31.8	40.8	58.2	43.5	49.6	58.9	55.1		
15V21EC002	40	40	20	20	40	20	20	20	20	20	100	4	4	4	4	4	9.4	9.4	9.4	9.4	9.4	33.4	33.4	53.4	53.4	73.4	98.2	98.2	98.9	98.9	99.2		
15V21EC003	36	36	16	20	36	20	20	20	20	20	100	4	4	4	4	4	9.8	9.8	9.8	9.8	9.8	33.8	33.8	49.8	53.8	69.8	99.4	99.4	92.2	99.6	94.3		
15V21EC004	22	22	3	5	8	10	10	10	10	0	40	4	4	4	4	4	2.4	2.4	2.4	2.4	2.4	16.4	16.4	19.4	21.4	28.4	48.2	48.2	35.9	39.6	38.4		
15V21EC005	26	26	12	2	14	20	20	20	5	10	75	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	27.6	27.6	39.6	14.6	43.6	81.2	81.2	73.3	27.0	58.9		
15V21EC006	40	40	20	20	40	20	20	20	20	8	88	4	4	4	4	4	0.6	0.6	0.6	0.6	0.6	15.6	18.6	8.6	8.6	20.6	45.9	54.7	15.9	15.9	27.8		
15V21EC007	10	10	2	2	4	11	14	2	2	6	35	4	4	4	4	4	0.6	0.6	0.6	0.6	0.6	15.6	18.6	8.6	8.6	20.6	45.9	54.7	15.9	15.9	27.8		
15V21EC008	39	39	20	20	40	20	16	20	13	20	89	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	30.8	26.8	50.8	43.8	69.8	90.6	78.8	94.1	81.1	94.3		
15V21EC009	20	20	40	20	20	40	20	20	20	20	100	4	4	4	4	4	8.2	8.2	8.2	8.2	8.2	52.2	32.2	72.2	52.2	52.2	99.0	94.7	99.0	96.7	70.5		
15V21EC010	16	16	29	10	27	19	19	20	6	12	76	4	4	4	4	4	7	7	7	7	7	25.0	31.0	51.0	51.0	71.0	73.5	91.2	94.4	94.4	95.9		
15V21EC011	40	40	20	20	40	14	20	20	20	20	94	4	4	4	4	4	7	7	7	7	7	25.0	31.0	51.0	51.0	71.0	73.5	91.2	94.4	94.4	95.9		
15V21EC012	31	31	13	1	14	13	14	14	0	0	41	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	20.6	21.6	34.6	8.6	38.6	60.6	63.5	64.1	15.9	52.2		
15V21EC013	40	40	7	6	13	20	20	17	15	11	83	4	4	4	4	4	7.8	7.8	7.8	7.8	7.8	31.8	31.8	35.8	32.8	62.8	93.5	93.5	66.3	60.7	84.9		
15V21EC014	28	28	10	9	19	20	15	19	11	10	75	4	4	4	4	4	5.8	5.8	5.8	5.8	5.8	29.8	29.8	49.8	42.8	39.8	87.6	87.6	92.2	79.3	53.8		
15V21EC015	16	16	20	14	34	20	20	19	14	93	4	4	4	4	4	4	5.8	5.8	5.8	5.8	5.8	29.8	29.8	49.8	42.8	39.8	87.6	87.6	92.2	79.3	53.8		
15V21EC016	22	22	13	7	20	2	12	6	6	16	42	4	4	4	4	4	1.8	1.8	1.8	1.8	1.8	7.8	17.8	24.8	18.8	43.8	22.9	52.4	45.9	34.8	59.2		
15V21EC017	1	1	13	0	13	16	5	6	16	0	43	4	4	4	4	4	2.4	2.4	2.4	2.4	2.4	22.4	11.4	25.4	22.4	7.4	65.9	33.5	47.0	41.5	10.0		
15V21EC018	1	1	3	2	5	20	20	12	14	86	4	4	4	4	4	4	8	8	8	8	8	32.0	28.0	52.0	48.0	68.0	94.1	82.4	96.3	88.9	91.9		
15V21EC019	40	40	20	20	40	20	16	20	16	16	91	4	4	4	4	4	8	8	8	8	8	32.0	28.0	52.0	48.0	68.0	94.1	82.4	96.3	88.9	91.9		
15V21EC020	6	6	0	1	1	16	0	3	8	0	27	4	4	4	4	4	2.8	2.8	2.8	2.8	2.8	22.8	6.8	9.8	15.8	12.8	67.1	20.0	18.1	29.3	17.3		
15V21EC021	6	6	7	0	7	7	3	0	0	0	10	4	4	4	4	4	1.6	1.6	1.6	1.6	1.6	12.6	8.6	12.6	5.6	11.6	37.1	25.3	23.3	10.4	15.7		
15V21EC022	3	3	6	6	12	6	16	20	5	6	53	4	4	4	4	4	4.8	4.8	4.8	4.8	4.8	14.8	24.8	34.8	19.8	17.8	43.5	72.9	64.4	36.7	24.1		
15V21EC023	35	35	20	15	35	19	6	17	7	12	59	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	26.6	13.6	44.6	29.6	54.6	78.2	40.0	82.6	54.8	73.8		
15V21EC024	39	39	12	9	21	13	9	9	20	8	59	4	4	4	4	4	4.6	4.6	4.6	4.6	4.6	21.6	17.6	29.6	37.6	55.6	63.5	51.8	54.8	69.6	75.1		
15V21EC025	33	33	5	10	15	13	19	6	16	19	73	4	4	4	4	4	5	5	5	5	5	22.0	28.0	20.0	35.0	61.0	64.7	82.4	37.0	64.8	82.4		
15V21EC027	36	36	2	8	10	17	14	16	20	19	86	4	4	4	4	4	4.2	4.2	4.2	4.2	4.2	28.2	28.2	31.2	22.2	23.2	82.9	82.9	57.8	41.1	31.4		
15V21EC028	6	6	0	0	0	8	2	0	0	0	10	4	4	4	4	4	0.6	0.6	0.6	0.6	0.6	12.6	6.6	4.6	4.6	10.6	37.1	19.4	24.4	7.8	15.1		
15V21EC029	1	1	9	0	9	0	0	0	0	6	6	4	4	4	4	4	0.2	0.2	0.2	0.2	0.2	4.2	4.2	13.2	4.2	11.2	12.4	12.4	24.4	7.8	15.1		
15V21EC030	33	33	12	15	27	20	15	19	14	6	74	4	4	4	4	4	7	7	7	7	7	31.0	26.0	42.0	40.0	50.0	91.2	76.5	77.8	74.1	67.6		
15V21EC031	31	31	16	3	19	17	8	4	14	7	50	4	4	4	4	4	4	4	4	4	4	16.0	14.0	12.0	18.0	21.0	47.1	41.2	22.2	33.3	28.4		
15V21EC032	9	9	2	1	3	8	6	2	9	4	29	4	4	4	4	4	4	4	4	4	4	6	6	6	6	30.0	30.0	38.0	66.0	88.2	55.6	70.4	89.2
15V21EC033	36	36	7	10	17	20	20	13	18	20	91	4	4	4	4	4	6	6	6	6	6	30.0	30.0	30.0	38.0	66.0	88.2	85.3	85.3	75.9	57.4	83.8	
15V21EC034	40	40	14	2	16	20	20	18	20	13	91	4	4	4	4	4	6.6	6.6	6.6	6.6	6.6	23.6	23.6	40.6	41.6	45.6	69.4	69.4	75.2	77.0	61.6		
15V21EC035	35	35	13	15	28	13	13	17	16	0	59	4	4	4	4	4	6.6	6.6	6.6	6.6	6.6	23.6	23.6	40.6	41.6	45.6	69.4	69.4	75.2	77.0	61.6		
15V21EE001	6	6	2	4	6	4	4	4	8	0	20	4	4	4	4	4	2.4	2.4	2.4	2.4	2.4	10.4	10.4	12.4	18.4	12.4	30.6	30.6	23.0	34.1	16.8		
15V21EE002	1	1	5	3	8	7	13	7	3	6	36	4	4	4	4	4	2.6	2.6	2.6	2.6	2.6	13.6	19.6	18.6	12.6	13.6	40.0	57.6	34.4	23.3	18.4		
15V21EE003	20	20	20	13	33	13	20	20	15	7	75	4	4	4	4	4	5.2	5.2	5.2	5.2	5.2	22.2	29.2	49.2	37.2	36.2	65.3	85.9	91.1	68.9	48.9		
15V21EE005	16	16	20	9	29	20	9	14	20	0	63	4	4	4	4	4	2.8	2.8	2.8	2.8	2.8	28.8	15.8	40.8	35.8	22.8	78.8	46.5	75.6	66.3	30.8		
15V21EE006	14	14	7	0	7	6	0	19	13	14	52	4	4	4	4	4	2.4	2.4	2.4	2.4	2.4	12.4	6.4	32.4	19.4	34.4	36.5	18.8	60.0	35.9	46.5		
15V21CV001	32	32	10	0	10	10	10	10	10	5	45	4	4	4	4	4	2	2	2	2	2	16.0	16.0	26.0	16.0	43.0	47.1	47.1	48.1	29.6	58.1		
15V21CV002	12	12	10	0	10	10	10	10	10	5	45	4	4	4	4	4	1.8	1.8	1.8	1.8	1.8	15.8	15.8	25.8	15.8	22.8	46.5	46.5	47.8	29.3	30.8		
15V21CV003	40	40	20	14	34	20	20	20	20	0	80	4	4	4	4	4	5.2	5.2	5.2	5.2	5.2	29.2	29.2	49.2	43.2	49.2	85.9	85.9	91.1	80.0	66.5		
15V21CV004	24	24	10	10	20	20	10	5	0	0	35	4	4	4	4	4	5	5	5	5	5	29.0	19.0	24.0	19.0	33.0	85.3	55.9	44.4	35.2	44.6		
15V21CV005	10	10	0	16	16	0	10	10	10	10	40	4	4	4	4	4	2.6	2.6	2.6	2.6	2.6	6.6	16.6	16.6	32.6	26.6	26.6	19.4	48.8	30.7	60.4	35.9	
15V21CV006	10	10	8	8	0	10	10	10	5	35	4	4	4	4	4	4	6	6	6	6	6	10.0	30.0	46.0	40.0	60.0	29.4	88.2	85.2	74.1	81.1		
15V21CV007	40	40	16	20	36	0	20	20	10	10	60	4	4	4	4	4	6	6	6	6	6	6.0	16.0	16.0	24.0	21.0	17.6	47.1	29.6	44.4	28.4		
15V21CV008	16	16	12	6	18	10	10	10	10	5	45	4	4	4	4	4	3.8	3.8	3.8	3.8	3.8	17.8	17.8	29.8	23.8	28.8	52.4	52.4	55.2	44.1	38.9		
15V21CV010	18	18	8	0	8	20	20	20	10	5	75	4	4	4</																			

15V21CV012	4	4	0	0	0	10	10	5	0	0	25	4	4	4	4	4	1	1	1	1	1	15.0	15.0	10.0	5.0	9.0	44.1	44.1	18.5	9.3	12.2				
15V21CV014	0	0	0	6	6	10	5	0	0	15	4	4	4	4	4	0.4	0.4	0.4	0.4	0.4	0.4	14.4	9.4	4.4	10.4	4.4	42.4	27.6	8.1	19.3	5.9				
15V21CV015	34	34	14	20	34	20	20	10	0	60	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	6.8	30.8	30.8	34.8	40.8	44.8	90.6	90.6	64.4	75.6	60.5				
15V21ME001	12	12	10	10	20	10	20	20	10	10	70	4	4	4	4	3.6	3.6	3.6	3.6	3.6	3.6	17.6	27.6	25.0	15.0	35.0	73.5	73.5	46.3	27.8	47.3				
15V21ME003	20	20	10	0	10	20	20	10	10	70	4	4	4	4	4	1	1	1	1	1	1	25.0	25.0	25.0	15.0	35.0	73.5	73.5	46.3	27.8	47.3				
15V21IS001	31	31	20	11	31	5	20	20	19	15	79	4	4	4	4	4	4.2	4.2	4.2	4.2	4.2	13.2	28.2	48.2	38.2	54.2	38.8	82.9	89.3	70.7	73.2				
15V21IS002	39	39	18	13	31	7	6	14	2	16	45	4	4	4	4	4	4.4	4.4	4.4	4.4	4.4	15.4	14.4	40.4	23.4	63.4	45.3	42.4	74.8	43.3	85.7				
15V21IS003	31	31	13	14	27	6	11	10	17	17	16	4	4	4	4	4	4.8	4.8	4.8	4.8	4.8	14.8	19.8	31.8	39.8	56.8	43.5	58.2	58.9	73.7	76.8				
15V21IS004	21	21	13	6	19	13	20	20	6	17	70	4	4	4	4	4	5.4	5.4	5.4	5.4	5.4	22.4	29.4	42.4	21.4	47.4	65.9	86.5	78.5	39.6	64.1				
15V21IS005	39	39	14	7	21	20	19	20	13	19	91	4	4	4	4	4	6.4	6.4	6.4	6.4	6.4	30.4	29.4	44.4	30.4	68.4	89.4	86.5	82.2	56.3	92.4				
15V21IS006	30	30	18	18	36	20	20	17	20	20	97	4	4	4	4	4	6.6	6.6	6.6	6.6	6.6	30.6	30.6	45.6	48.6	60.6	90.0	90.0	84.4	90.0	81.9				
15V21IS007	39	39	20	18	38	20	20	20	20	100	4	4	4	4	4	8.4	8.4	8.4	8.4	8.4	8.4	32.4	32.4	50.4	71.4	95.3	95.3	97.0	93.3	96.5					
15V21IS008	29	29	13	5	18	6	0	13	19	9	47	4	4	4	4	4	7	7	7	7	7	31.0	31.0	51.0	51.0	69.0	91.2	91.2	94.4	94.4	93.2				
15V21IS009	38	38	20	20	40	20	20	20	20	100	4	4	4	4	4	4	7	7	7	7	7	31.0	31.0	51.0	51.0	69.0	91.2	91.2	94.4	94.4	93.2				
15V21IS010	29	29	20	10	30	20	20	20	13	93	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	30.8	30.8	50.8	40.8	52.8	82.9	80.0	78.1	54.1	112.4					
15V21IS011	59	59	18	1	19	20	19	16	20	16	91	4	4	4	4	4	4.2	4.2	4.2	4.2	4.2	16.4	20.4	42.4	31.4	57.4	48.2	60.0	78.5	58.1	77.6				
15V21IS012	29	29	16	9	25	6	10	16	12	18	62	4	4	4	4	4	6.4	6.4	6.4	6.4	6.4	16.4	20.4	42.4	31.4	57.4	48.2	60.0	78.5	58.1	77.6				
15V21IS013	12	12	6	7	13	2	7	14	9	12	44	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	9.6	14.6	27.6	23.6	31.6	28.2	42.9	51.1	43.7	42.7				
15V21IS014	40	40	20	20	40	20	20	20	20	100	4	4	4	4	4	7.2	7.2	7.2	7.2	7.2	31.2	31.2	51.2	51.2	71.2	91.8	91.8	91.8	94.8	96.2					
15V21IS015	34	34	16	14	30	13	18	13	15	16	75	4	4	4	4	4	5.4	5.4	5.4	5.4	5.4	22.4	27.4	38.4	38.4	59.4	65.9	80.6	71.1	71.1	80.3				
15V21IS016	25	25	7	12	19	9	14	13	0	15	57	4	4	4	4	4	2.2	2.2	2.2	2.2	2.2	15.2	20.2	26.2	18.2	46.2	44.7	59.4	48.5	33.7	62.4				
15V21IS017	24	24	20	9	29	20	0	19	7	20	75	4	4	4	4	4	5.6	5.6	5.6	5.6	5.6	29.6	9.6	48.6	25.6	53.6	87.1	28.2	90.0	47.4	72.4				
15V21IS018	23	23	14	6	20	0	20	15	4	15	54	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	7.6	27.6	36.6	17.6	45.6	22.4	81.2	67.8	32.6	61.6				
15V21IS019	33	33	19	20	39	18	13	16	17	7	71	4	4	4	4	4	5.8	5.8	5.8	5.8	5.8	27.8	22.8	44.8	46.8	49.8	81.8	67.1	83.0	86.7	67.3				
15V21IS020	17	17	15	12	27	18	13	16	17	7	71	4	4	4	4	4	2.4	2.4	2.4	2.4	2.4	24.4	19.4	37.4	35.4	30.4	71.8	57.1	69.3	65.6	41.1				
15V21IS021	30	30	20	14	34	20	20	20	20	5	85	4	4	4	4	4	5	5	5	5	5	29.0	29.0	49.0	43.0	44.0	85.3	85.3	90.7	79.6	59.5				
15V21IS022	2	2	3	3	6	5	5	10	10	5	35	4	4	4	4	4	0.4	0.4	0.4	0.4	0.4	9.4	9.4	17.4	17.4	11.4	27.6	27.6	32.2	32.2	15.4				
15V21IS024	40	40	10	4	14	10	10	10	10	10	50	4	4	4	4	4	4.8	4.8	4.8	4.8	4.8	18.8	18.8	28.8	22.8	58.8	55.3	55.3	53.3	42.2	79.5				
15V21IS025	0	0	20	12	32	20	20	20	20	5	70	4	4	4	4	4	5.8	5.8	5.8	5.8	5.8	29.8	29.8	49.8	26.8	14.8	87.6	87.6	92.2	49.6	20.0				
15V21IS026	40	40	20	12	32	20	20	20	20	15	95	4	4	4	4	4	8.8	8.8	8.8	8.8	8.8	32.8	32.8	52.8	52.8	67.8	96.5	96.5	97.8	97.8	91.6				
15V21IS027	36	36	0	0	0	5	5	10	10	10	40	4	4	4	4	4	5.8	5.8	5.8	5.8	5.8	14.8	14.8	19.8	19.8	55.8	43.5	43.5	36.7	36.7	75.4				
15V21IS028	28	28	20	20	40	20	20	20	20	15	95	4	4	4	4	4	6.2	6.2	6.2	6.2	6.2	20.2	30.2	50.2	34.2	65.2	59.4	88.8	93.0	63.3	88.1				
15V21IS029	40	40	20	14	34	10	20	20	10	15	75	4	4	4	4	4	6.2	6.2	6.2	6.2	6.2	20.2	30.2	50.2	34.2	65.2	59.4	88.8	93.0	63.3	88.1				
15V21IS030	26	26	20	16	36	20	20	20	5	5	70	4	4	4	4	4	4	4	4	4	4	28.0	28.0	48.0	29.0	39.0	82.4	82.4	88.9	53.7	52.7				
15V21IS031	28	28	20	14	34	10	10	10	20	10	60	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	7	7	7	7	31.0	31.0	51.0	41.0	63.0	91.2	91.2	94.4	75.9	85.1
15V21IS032	32	32	20	20	40	20	20	20	20	10	90	4	4	4	4	4	7	7	7	7	7	31.0	31.0	51.0	41.0	63.0	91.2	91.2	94.4	75.9	85.1				
15V21IS033	24	24	3	3	6	5	5	5	0	5	20	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	12.6	12.6	15.6	10.6	36.6	37.1	37.1	28.9	19.6	49.5				
15V21IS034	26	26	10	10	20	20	10	10	20	5	65	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	27.6	17.6	27.6	37.6	38.6	81.2	51.8	51.1	69.6	52.2				
15V21IS035	40	40	12	20	32	20	20	20	20	5	85	4	4	4	4	4	6.6	6.6	6.6	6.6	6.6	30.6	30.6	42.6	50.6	55.6	90.0	90.0	78.9	93.7	75.1				
15V21IS036	40	40	16	20	36	20	20	20	20	20	100	4	4	4	4	4	7.6	7.6	7.6	7.6	7.6	31.6	31.6	47.6	51.6	71.6	92.9	92.9	88.1	95.6	96.8				
15V21IS037	40	40	20	18	38	20	20	20	20	20	100	4	4	4	4	4	8.8	8.8	8.8	8.8	8.8	32.8	32.8	52.8	50.8	72.8	96.5	96.5	97.8	94.1	98.4				
15V21AD001	35	35	6	17	23	5	5	5	5	0	20	4	4	4	4	4	2.2	2.2	2.2	2.2	2.2	11.2	11.2	17.2	28.2	41.2	32.9	32.9	31.9	52.2	55.7				
15V21AD002	26	26	20	13	33	5	13	16	16	0	50	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	12.6	12.6	15.6	10.6	36.6	37.1	37.1	28.9	19.6	49.5				
15V21AD003	27	27	6	4	10	13	16	14	15	5	63	4	4	4	4	4	4.2	4.2	4.2	4.2	4.2	19.2	15.2	27.2	10.2	41.2	56.5	44.7	50.4	18.9	55.7				
15V21AD004	5	5	5	0	5	1	20	13	2	2	38	4	4	4	4	4	9	9	9	9	9	9	14.0	33.0	31.0	15.0	20.0	41.2	97.1	57.4	27.8	27.0			
15V21AD005	18	18	13	2	15	11	7	6	0	15	39	4	4	4	4	4	4.2	4.2	4.2	4.2	4.2	19.2	15.2	27.2	10.2	41.2	56.5	44.7	50.4	18.9	55.7				
15V21AD006	22	22	11	10	21	6	19	17	14	13	69	4	4	4	4	4	4.8	4.8	4.8	4.8	4.8	14.8	14.8	27.8	36.8	32.8	43.8	43.5	81.8	68.1	60.7	59.2			
15V21AD008	11	11	3	0	3	0	20	19	3	8	50	4	4	4	4	4	2.2	2.2	2.2	2.2	2.2	2.2	6.2	26.2	28.2	9.2	25.2	18.2	77.1	52.2	17.0	34.1			
15V21AD009	40	40	20	20	40	20	20	20	20	20	100	4	4	4	4	4	7.8	7.8	7.8	7.8	7.8	31.8	31.8	51.8	51.8	71.8	93.5	93.5							

1SV21AD014	12	12	20	17	37	15	0	17	6	12	50	4	4	4	4	4	0	0	0	0	0	19.0	4.0	41.0	27.0	28.0	55.9	11.8	75.9	50.0	37.8
1SV21AD015	21	21	5	1	6	20	20	18	7	14	79	4	4	4	4	4	3.8	3.8	3.8	3.8	3.8	27.8	27.8	30.8	15.8	42.8	81.8	81.8	57.0	29.3	57.8
1SV21AD016	27	27	20	6	26	7	20	20	6	0	53	4	4	4	4	4	4.4	4.4	4.4	4.4	4.4	15.4	28.4	48.4	20.4	35.4	45.3	83.5	89.6	37.8	47.8
1SV21AD017	5	5	3	6	9	0	0	13	13	11	37	4	4	4	4	4	1.8	1.8	1.8	1.8	1.8	7.2	4.2	40.2	16.2	42.2	21.2	12.4	74.4	30.0	57.0
1SV21AD018	20	20	16	2	18	3	0	20	10	18	57	4	4	4	4	4	0.2	0.2	0.2	0.2	0.2	7.2	4.2	40.2	16.2	42.2	21.2	12.4	74.4	30.0	57.0
1SV21AD019	10	10	5	4	9	10	10	10	10	15	55	4	4	4	4	4	5.2	5.2	5.2	5.2	5.2	19.2	19.2	24.2	23.2	34.2	56.5	56.5	44.8	43.0	46.2
1SV21AD020	19	19	20	19	39	7	20	19	20	20	86	4	4	4	4	4	5.2	5.2	5.2	5.2	5.2	16.2	29.2	48.2	48.2	48.2	47.6	85.9	89.3	89.3	65.1
1SV21AD021	31	31	13	8	21	6	20	20	13	20	79	4	4	4	4	4	5.4	5.4	5.4	5.4	5.4	15.4	29.4	42.4	30.4	60.4	45.3	86.5	78.5	56.3	81.6
1SV21AD022	38	38	19	15	34	20	20	20	15	16	91	4	4	4	4	4	4	4	4	4	4	28.0	28.0	47.0	38.0	62.0	82.4	82.4	87.0	70.4	83.8
1SV21AD023	6	6	12	6	18	0	1	9	6	7	23	4	4	4	4	4	3	3	3	3	3	7.0	8.0	28.0	19.0	20.0	20.6	23.5	51.9	35.2	27.0
1SV21AD024	10	10	8	2	10	0	9	7	2	10	28	4	4	4	4	4	1.6	1.6	1.6	1.6	1.6	19.4	19.4	33.4	37.4	56.4	57.1	57.1	61.9	69.3	76.2
1SV21AD025	30	30	7	17	24	13	20	14	20	20	80	4	4	4	4	4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	19.4	19.4	33.4	37.4	56.4	57.1
1SV21AD026	35	35	18	14	32	20	20	20	20	20	100	4	4	4	4	4	9.4	9.4	9.4	9.4	9.4	33.4	33.4	51.4	47.4	68.4	98.2	98.2	95.2	87.8	92.4
1SV21AD027	14	14	0	3	3	0	7	14	2	7	30	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	7.6	14.6	21.6	12.6	28.6	22.4	42.9	40.0	23.3	38.6
1SV21AD028	35	35	20	10	30	0	0	20	0	20	40	4	4	4	4	4	5.2	5.2	5.2	5.2	5.2	9.2	9.2	49.2	19.2	64.2	27.1	27.1	91.1	35.6	86.8
1SV21AD029	7	7	13	12	25	0	0	18	20	7	40	4	4	4	4	4	1	1	1	1	1	5.0	5.0	36.0	37.0	19.0	14.7	14.7	66.7	68.5	25.7
1SV21AD030	21	21	15	9	24	13	2	9	0	19	43	4	4	4	4	4	2	2	2	2	2	19.0	8.0	30.0	15.0	46.0	55.9	23.5	55.6	27.8	62.2
1SV21AD031	24	24	8	3	11	6	12	8	20	20	66	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	13.6	19.6	23.6	30.6	51.6	40.0	57.6	43.7	56.7	69.7
1SV21AD032	20	20	13	4	17	10	13	7	10	17	57	4	4	4	4	4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	12.4	9.4	45.4	19.4	39.4	36.5
1SV21AD033	13	13	19	5	24	6	3	20	8	20	80	4	4	4	4	4	2.4	2.4	2.4	2.4	2.4	12.4	9.4	45.4	19.4	39.4	36.5	27.6	84.1	35.9	53.2
1SV21AD034	35	35	7	8	15	13	19	16	15	17	80	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	20.6	26.6	30.6	30.6	59.6	60.6	78.2	56.7	56.7	80.5
1SV21AD035	29	29	14	17	31	13	9	16	20	20	78	4	4	4	4	4	5	5	5	5	5	22.0	18.0	39.0	46.0	58.0	64.7	52.9	72.2	85.2	78.4
1SV21AD036	28	28	13	20	33	6	15	11	2	13	37	4	4	4	4	4	2.4	2.4	2.4	2.4	2.4	12.4	21.4	30.4	28.4	47.4	36.5	62.9	56.3	52.6	64.1
1SV21AD037	29	29	20	6	26	13	10	20	20	13	76	4	4	4	4	4	5.4	5.4	5.4	5.4	5.4	22.4	19.4	49.4	35.4	51.4	65.9	57.1	91.5	65.6	69.5
1SV21AD038	40	40	20	20	40	20	20	20	20	20	100	4	4	4	4	4	8.2	8.2	8.2	8.2	8.2	32.2	32.2	52.2	52.2	72.2	94.7	94.7	96.7	96.7	97.6
1SV21AD039	17	17	7	7	14	20	20	20	20	5	85	4	4	4	4	4	5.8	5.8	5.8	5.8	5.8	29.8	29.8	36.8	36.8	31.8	87.6	87.6	68.1	68.1	43.0
1SV21AD040	39	39	0	1	1	6	13	13	0	20	52	4	4	4	4	4	2.2	2.2	2.2	2.2	2.2	12.2	19.2	19.2	7.2	65.2	35.9	56.5	35.6	13.3	88.1
1SV21CS001	16	16	10	2	12	10	10	10	10	10	60	4	4	4	4	4	7.8	7.8	7.8	7.8	7.8	21.8	21.8	31.8	23.8	47.8	64.1	64.1	58.9	44.1	64.6
1SV21CS002	20	20	10	10	20	20	20	20	20	20	100	4	4	4	4	4	10	10	10	10	10	34.0	34.0	44.0	44.0	54.0	100.0	100.0	81.5	81.5	73.0
1SV21CS003	11	11	10	4	14	10	10	10	10	5	45	4	4	4	4	4	7	7	7	7	7	21.0	21.0	31.0	25.0	27.0	61.8	61.8	57.4	46.3	36.5
1SV21CS004	4	4	0	6	6	5	5	5	5	5	25	4	4	4	4	4	5	5	5	5	5	14.0	14.0	20.0	18.0	41.2	41.2	25.9	37.0	24.3	
1SV21CS005	15	15	10	6	16	0	20	20	0	60	4	4	4	4	4	8	8	8	8	8	8	12.0	32.0	42.0	38.0	27.0	35.3	94.1	77.8	70.4	36.5
1SV21CS006	7	7	1	10	11	20	20	20	0	5	65	4	4	4	4	4	7	7	7	7	7	31.0	31.0	32.0	21.0	23.0	91.2	91.2	59.3	38.9	31.1
1SV21CS008	18	18	5	5	10	20	20	10	5	75	4	4	4	4	4	8.2	8.2	8.2	8.2	8.2	32.2	32.2	37.2	27.2	35.2	94.7	94.7	68.9	50.4	47.6	
1SV21CS009	12	12	10	5	15	10	10	20	20	20	80	4	4	4	4	4	8.2	8.2	8.2	8.2	8.2	22.2	42.2	42.2	37.2	44.2	65.3	65.3	78.1	68.9	59.7
1SV21CS010	20	20	9	9	18	15	20	20	20	20	95	4	4	4	4	4	9.6	9.6	9.6	9.6	9.6	28.6	33.6	42.6	42.6	53.6	84.1	98.8	78.9	78.9	72.4
1SV21CS012	17	17	7	7	14	0	20	20	20	20	80	4	4	4	4	4	8.6	8.6	8.6	8.6	8.6	12.6	32.6	39.6	39.6	49.6	37.1	95.9	73.3	73.3	67.0
1SV21CS013	11	11	0	5	5	10	20	10	5	65	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	20.8	30.8	30.8	25.8	26.8	61.2	90.6	57.0	47.8	36.2	
1SV21CS014	18	18	10	0	10	10	10	10	15	55	4	4	4	4	4	7.8	7.8	7.8	7.8	7.8	21.8	21.8	31.8	21.8	44.8	64.1	64.1	58.9	40.4	60.5	
1SV21CS015	20	20	10	9	19	20	15	20	20	20	95	4	4	4	4	4	9.8	9.8	9.8	9.8	9.8	33.8	28.8	43.8	42.8	53.8	99.4	84.7	81.1	79.3	72.7
1SV21CS016	17	17	10	10	20	20	20	20	20	20	100	4	4	4	4	4	9.8	9.8	9.8	9.8	9.8	33.8	33.8	43.8	43.8	50.8	99.4	99.4	81.1	81.1	68.6
1SV21CS017	11	11	2	10	12	10	10	10	10	10	50	4	4	4	4	4	7.4	7.4	7.4	7.4	7.4	21.4	21.4	23.4	31.4	32.4	62.9	62.9	43.3	58.1	43.8
1SV21CS018	20	20	10	8	18	20	20	20	15	20	90	4	4	4	4	4	9.6	9.6	9.6	9.6	9.6	33.6	33.6	43.6	36.6	53.6	98.8	98.8	80.7	67.8	72.4
1SV21CS019	19	19	5	10	15	20	20	0	20	20	80	4	4	4	4	4	8.8	8.8	8.8	8.8	8.8	32.8	32.8	17.8	42.8	51.8	96.5	96.5	33.0	79.3	70.0
1SV21CS020	17	17	10	8	18	20	20	20	20	5	85	4	4	4	4	4	9.2	9.2	9.2	9.2	9.2	33.2	33.2	43.2	41.2	35.2	97.6	97.6	80.0	76.3	47.6
1SV21CS021	5	5	4	0	4	10	5	10	10	0	35	4	4	4	4	4	5.2	5.2	5.2	5.2	5.2	19.2	14.2	23.2	19.2	14.2	56.5	41.8	43.0	35.6	19.2
1SV21CS022	20	20	6	10	16	20	20	20	20	100	4	4	4	4	4	9.6	9.6	9.6	9.6	9.6	33.6	33.6	39.6	43.6	53.6	98.8	98.8	73.3	80.7	72.4	
1SV21CS023	16	16	10	6	16	10	10	15	20	65	4	4	4	4	4	8.4	8.4	8.4	8.4	8.4	22.4	22.4	32.4	33.4	48.4	65.9	65.9	60.0	61.9	65.4	
1SV21CS024	11	11	0	4	4	10	10	10	10	10	50	4	4	4	4	4	6.6	6.6	6.6	6.6	6.6	20.6	20.6	20.6	24.6	31.6	60.6	60.6	38.1	45.6	42.7
1SV21CS025	17	17	10	1	11	20	20	20	10	5	75	4	4	4	4	4	8.4	8.4	8.4	8.4	8.										

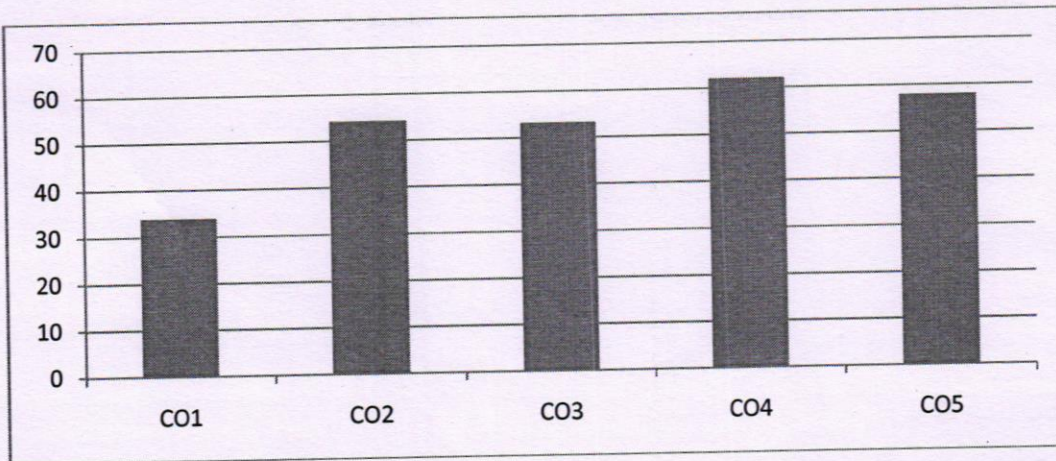
1SV21CS029	13	13	10	5	15	20	20	20	10	15	75	4	4	4	4	4	8.4	8.4	8.4	8.4	8.4	32.4	32.4	42.4	27.4	40.4	95.3	95.3	78.5	50.7	54.6
1SV21CS030	16	16	8	10	18	10	20	20	20	20	90	4	4	4	4	4	9.2	9.2	9.2	9.2	9.2	23.2	33.2	41.2	43.2	49.2	68.2	97.6	76.3	80.0	66.5
1SV21CS031	6	6	0	0	0	5	5	5	0	35	4	4	4	4	4	4.4	4.4	4.4	4.4	4.4	13.4	28.4	13.4	13.4	14.4	39.4	83.5	24.8	24.8	19.5	
1SV21CS032	10	10	0	8	8	10	0	10	10	10	40	4	4	4	4	4	6.6	6.6	6.6	6.6	6.6	20.6	10.6	20.6	28.6	30.6	60.6	31.2	38.1	53.0	41.4
1SV21CS033	11	11	10	2	12	20	20	20	15	0	75	4	4	4	4	4	7.6	7.6	7.6	7.6	7.6	31.6	31.6	41.6	28.6	22.6	92.9	92.9	77.0	53.0	30.5
1SV21CS034	13	13	0	10	10	5	20	5	5	0	35	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	15.8	30.8	15.8	25.8	23.8	46.5	90.6	29.3	47.8	32.2
1SV21CS035	18	18	10	9	19	20	20	20	20	5	85	4	4	4	4	4	9.2	9.2	9.2	9.2	9.2	33.2	33.2	43.2	42.2	36.2	97.6	97.6	80.0	78.1	48.9
1SV21CS036	15	15	7	10	17	10	10	10	10	0	40	4	4	4	4	4	7.6	7.6	7.6	7.6	7.6	21.6	21.6	28.6	31.6	26.6	63.5	63.5	53.0	58.5	35.9
1SV21CS037	8	8	6	0	6	10	10	10	10	0	40	4	4	4	4	4	6	6	6	6	6	20.0	20.0	26.0	20.0	18.0	58.8	58.8	48.1	37.0	24.3
1SV21CS038	18	18	10	10	20	20	20	20	20	5	85	4	4	4	4	4	9.6	9.6	9.6	9.6	9.6	33.6	33.6	43.6	43.6	36.6	98.8	98.8	80.7	80.7	49.5
1SV21CS039	1	1	5	0	5	10	0	10	10	10	40	4	4	4	4	4	4.4	4.4	4.4	4.4	4.4	18.4	8.4	23.4	18.4	19.4	54.1	24.7	43.3	34.1	26.2
1SV21CS040	15	15	8	10	18	20	20	20	20	20	100	4	4	4	4	4	9.2	9.2	9.2	9.2	9.2	33.2	33.2	43.2	48.2	97.6	97.6	76.3	80.0	65.1	
1SV21CS041	14	14	10	6	16	20	20	20	0	20	80	4	4	4	4	4	7.8	7.8	7.8	7.8	7.8	31.8	31.8	41.8	17.8	45.8	93.5	93.5	77.4	33.0	61.9
1SV21CS042	18	18	7	10	17	20	20	20	20	5	85	4	4	4	4	4	9.2	9.2	9.2	9.2	9.2	33.2	33.2	40.2	43.2	36.2	97.6	97.6	74.4	80.0	48.9
1SV21CS043	13	13	7	0	7	10	10	10	10	10	50	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	20.8	20.8	27.8	20.8	33.8	61.2	61.2	51.5	38.5	45.7
1SV21CS044	17	17	2	10	12	0	20	20	20	0	60	4	4	4	4	4	7.8	7.8	7.8	7.8	7.8	11.8	31.8	33.8	41.8	28.8	34.7	93.5	62.6	77.4	38.9
1SV21CS045	18	18	10	9	19	20	20	20	20	20	100	4	4	4	4	4	9.6	9.6	9.6	9.6	9.6	33.6	33.6	43.6	42.6	51.6	98.8	98.8	80.7	78.9	69.7
1SV21CS047	9	9	4	10	14	10	10	10	20	20	70	4	4	4	4	4	7.2	7.2	7.2	7.2	7.2	21.2	21.2	25.2	41.2	40.2	62.4	62.4	46.7	76.3	54.3
1SV21CS048	13	13	9	0	9	20	10	10	10	10	60	4	4	4	4	4	7	7	7	7	7	31.0	21.0	30.0	21.0	34.0	91.2	61.8	55.6	38.9	45.9
1SV21CS049	20	20	10	20	20	20	20	20	20	20	100	4	4	4	4	4	10	10	10	10	10	34.0	34.0	44.0	44.0	54.0	100.0	100.0	81.5	81.5	73.0
1SV21CS050	16	16	10	2	12	15	10	10	10	10	55	4	4	4	4	4	7.8	7.8	7.8	7.8	7.8	26.8	21.8	31.8	23.8	37.8	78.8	64.1	58.9	44.1	51.1
1SV21CS052	19	19	6	10	16	20	20	20	20	5	85	4	4	4	4	4	8.8	8.8	8.8	8.8	8.8	32.8	32.8	38.8	42.8	36.8	96.5	96.5	71.9	79.3	49.7
1SV21CS053	17	17	10	3	13	10	10	15	10	20	65	4	4	4	4	4	8.2	8.2	8.2	8.2	8.2	22.2	22.2	37.2	25.2	49.2	65.3	65.3	68.9	46.7	66.5
1SV21CS054	16	16	2	10	12	10	10	15	10	20	65	4	4	4	4	4	8	8	8	8	8	22.0	22.0	29.0	32.0	48.0	64.7	64.7	53.7	59.3	64.9
1SV21CS055	17	17	10	10	20	10	20	20	20	20	90	4	4	4	4	4	9.4	9.4	9.4	9.4	9.4	23.4	33.4	43.4	43.4	50.4	68.8	98.2	80.4	80.4	68.1
1SV21CS056	18	18	6	10	16	10	10	10	10	5	45	4	4	4	4	4	8	8	8	8	8	22.0	22.0	28.0	32.0	35.0	64.7	64.7	51.9	59.3	47.3
1SV21CS057	18	18	9	0	9	20	20	10	5	0	55	4	4	4	4	4	7	7	7	7	7	31.0	31.0	30.0	16.0	29.0	91.2	91.2	55.6	29.6	39.2
1SV21CS058	16	16	3	10	13	20	20	0	0	0	60	4	4	4	4	4	8.2	8.2	8.2	8.2	8.2	32.2	32.2	35.2	22.2	28.2	94.7	94.7	65.2	41.1	38.1
1SV21CS059	17	17	10	8	18	20	10	10	10	20	70	4	4	4	4	4	8.8	8.8	8.8	8.8	8.8	32.8	22.8	32.8	30.8	49.8	96.5	67.1	60.7	57.0	67.3
1SV21CS060	16	16	9	10	19	20	20	20	20	20	100	4	4	4	4	4	9.4	9.4	9.4	9.4	9.4	33.4	33.4	42.4	43.4	49.4	98.2	98.2	78.5	80.4	66.8
1SV21CS061	9	9	10	2	12	10	20	15	20	0	65	4	4	4	4	4	6.2	6.2	6.2	6.2	6.2	20.2	30.2	35.2	32.2	19.2	59.4	88.8	65.2	59.6	25.9
1SV21CS062	13	13	0	7	7	10	10	10	10	10	50	4	4	4	4	4	6.6	6.6	6.6	6.6	6.6	20.6	20.6	20.6	27.6	33.6	60.6	60.6	38.1	51.1	45.4
1SV21CS063	20	20	10	10	20	20	20	20	20	20	100	4	4	4	4	4	10	10	10	10	10	34.0	34.0	44.0	44.0	54.0	100.0	100.0	81.5	81.5	73.0
1SV21CS064	7	7	0	9	9	10	10	0	10	0	40	4	4	4	4	4	6.4	6.4	6.4	6.4	6.4	20.4	20.4	10.4	29.4	17.4	60.0	60.0	19.3	54.4	23.5
1SV21CS065	0	0	3	0	3	0	0	0	0	0	0	4	4	4	4	4	2.8	2.8	2.8	2.8	2.8	6.8	6.8	6.8	6.8	6.8	20.0	20.0	18.1	12.6	9.2
1SV21CS066	18	18	0	1	1	10	10	5	0	0	25	4	4	4	4	4	6	6	6	6	6	20.0	20.0	15.0	11.0	28.0	58.8	58.8	27.8	20.4	37.8
1SV21CS067	17	17	10	5	15	20	20	20	5	0	65	4	4	4	4	4	8	8	8	8	8	32.0	32.0	42.0	22.0	29.0	94.1	94.1	77.8	40.7	39.2
1SV21CS068	17	17	7	10	17	0	20	20	20	20	80	4	4	4	4	4	9	9	9	9	9	13.0	33.0	40.0	43.0	50.0	38.2	97.1	74.1	79.6	67.6
1SV21CS069	6	6	2	0	2	10	5	0	0	0	15	4	4	4	4	4	4.6	4.6	4.6	4.6	4.6	18.6	13.6	10.6	8.6	14.6	54.7	40.0	19.6	15.9	19.7
1SV21CS070	20	20	10	10	20	20	20	20	20	20	100	4	4	4	4	4	10	10	10	10	10	34.0	34.0	44.0	44.0	54.0	100.0	100.0	81.5	81.5	73.0
1SV21CS071	20	20	10	10	20	20	20	20	20	10	90	4	4	4	4	4	9.8	9.8	9.8	9.8	9.8	33.8	33.8	43.8	43.8	43.8	99.4	99.4	81.1	81.1	59.2
1SV21CS072	20	20	10	10	20	10	20	20	20	20	90	4	4	4	4	4	9.8	9.8	9.8	9.8	9.8	23.8	33.8	43.8	43.8	53.8	70.0	99.4	81.1	81.1	72.7
1SV21CS073	20	20	9	10	19	20	10	10	10	15	65	4	4	4	4	4	9.2	9.2	9.2	9.2	9.2	33.2	23.2	32.2	33.2	48.2	97.6	68.2	59.6	61.5	65.1
1SV21CS074	5	5	4	0	4	5	5	5	5	5	25	4	4	4	4	4	7.6	7.6	7.6	7.6	7.6	16.6	16.6	20.6	16.6	21.6	48.8	48.8	38.1	30.7	29.2
1SV21CS075	13	13	0	8	8	20	20	20	10	0	70	4	4	4	4	4	5.4	5.4	5.4	5.4	5.4	29.4	29.4	29.4	27.4	22.4	86.5	86.5	54.4	50.7	30.3
1SV21CS076	20	20	10	10	20	15	20	20	20	20	95	4	4	4	4	4	10	10	10	10	10	29.0	34.0	44.0	44.0	54.0	85.3	100.0	81.5	81.5	73.0
1SV21CS077	20	20	10	5	15	10	20	20	20	20	90	4	4	4	4	4	9.4	9.4	9.4	9.4	9.4	23.4	33.4	43.4	38.4	53.4	68.8	98.2	80.4	71.1	72.2
1SV21CS078	17	17	5	10	15	20	20	20	20	20	100	4	4	4	4	4	9.2	9.2	9.2	9.2	9.2	33.2	33.2	38.2	43.2	50.2	97.6	97.6	70.7	80.0	67.8
1SV21CS079	20	20	10	6	16	20	20	20	20	15	95	4	4	4	4	4	9.6	9.6	9.6	9.6	9.6	33.6	33.6	43.6	39.6	48.6	98.8	98.8	80.7	73.3	65.7
1SV21CS080	20	20	4	10	14	20	20	20	5	0	65	4	4</																		



DEPARTMENT OF MATHEMATICS

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY		
FACULTY NAME	Dr. KISHOR KUMAR M K/Dr. CHETANA C/Prof. RASHMI S B		
BRANCH	ECE/EEE/CSE/CVE/ISE/ME	ACADEMIC YEAR	2021-22
COURSE	B.E	SEMESTER	III
		SECTION	-
SUBJECT	TRANSFORM CALCULUS, FOURIER SERIES AND NUMERICAL TECHNIQUES	SUBJECT CODE	18MAT31
CO & PO MAPPING			

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	34	0.68	1.02	0	0	0	0	0	0	0	0	0	0.34
CO2	54	1.09	1.63	0	0	0	0	0	0	0	0	0	0.54
CO3	53	1.07	1.60	0	0	0	0	0	0	0	0	0	0.53
CO4	62	1.24	1.86	0	0	0	0	0	0	0	0	0	0.62
CO5	58	1.16	1.74	0	0	0	0	0	0	0	0	0	0.58
AVG	52	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.4



Kishor Kumar
 Staff in-charge

Chetana C
 HOD

Rashmi S B
 PRINCIPAL
 SIET., TUMAKURU
 Principal

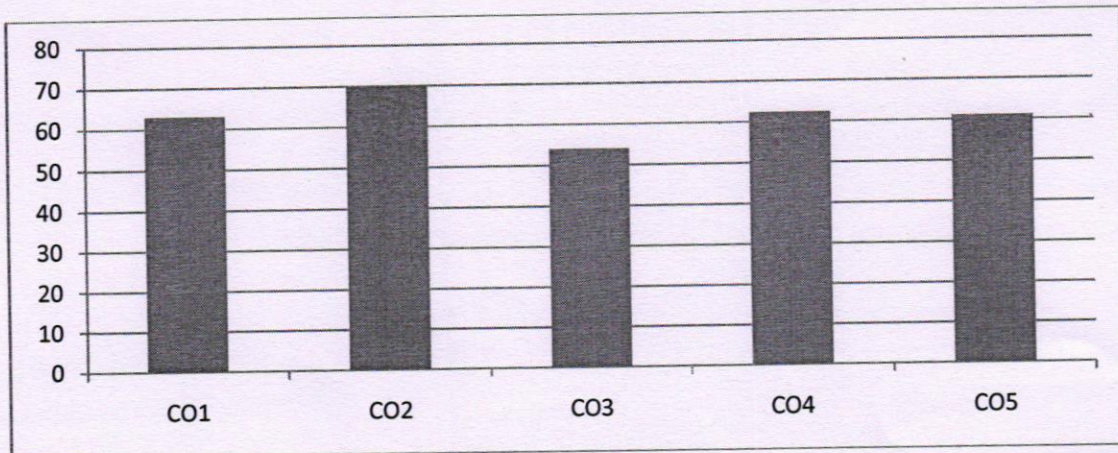
Academic year:2021-22			SEM	III	Subject										TCFS& NT					Subject Code		21MAT11									
SEM:III			IA TEST 1(30M)			IA TEST 2(30M)			IA TEST 3(30M)			ASSIGNMENT / QUIZ (10 M)					SEE MARKS(60)					Total Cos ATTAINMENT					% of individual CO				
USN	CO1	CO1	TOTAL	CO3	CO2	TOTAL	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1=12	CO2	CO3	CO4	CO5	CO1=4	CO2=29	CO3=29	CO4=29	CO5=29	CO1	CO2	CO3	CO4	CO5		
1SV20EC001	15	7	21	12	12	24	11	11	22	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	22.2	19.2	19	18.2	18	50.5	66.2	66.2	62.8	62.8		
1SV20EC002	2	3	5	4	1	5	10	10	20	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	6.2	5.2	8.2	14.2	14	14.1	17.9	28.3	49.0	49.0		
1SV20EC003	8	8	16	8	8	16	4	5	9	2	2	2	2	2	0.6	0.6	0.6	0.6	0.6	10.6	10.6	11	6.6	7.6	24.1	36.6	36.6	22.8	26.2		
1SV20EC004	4	4	8	10	4	14	2	3	5	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	10.2	10.2	16	8.2	9.2	23.2	35.2	55.9	28.3	31.7		
1SV20EC005	10	0	10	1	1	2	9	9	18	2	2	2	2	2	1	1	1	1	1	13	4	4	12	12	29.5	13.8	13.8	41.4	41.4		
1SV20EC006	1	3	4	7	7	14	5	5	10	2	2	2	2	2	1	1	1	1	1	4	10	10	8	8	9.1	34.5	34.5	27.6	27.6		
1SV20EC007	3	2	5	7	10	17	6	6	12	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	10.2	17.2	14	13.2	13	23.2	59.3	49.0	45.5	45.5		
1SV20EC008	7	8	15	10	10	20	8	8	16	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	13.2	16.2	16	14.2	14	30.0	55.9	55.9	49.0	49.0		
1SV20EC009	5	4	9	1	1	2	10	9	19	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	10.4	6.4	6.4	15.4	14	23.6	22.1	22.1	53.1	49.7		
1SV20EC010	4	10	14	5	4	9	8	4	12	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	10.6	10.6	12	14.6	11	24.1	36.6	40.0	50.3	36.6		
1SV20EC011	15	12	27	11	11	22	12	12	24	2	2	2	2	2	7	7	7	7	7	24	20	20	21	21	54.5	69.0	69.0	72.4	72.4		
1SV20EC012	4	3	7	5	3	8	4	1	5	2	2	2	2	2	1.4	1.4	1.4	1.4	1.4	7.4	6.4	8.4	7.4	4.4	16.8	22.1	29.0	25.5	15.2		
1SV20EC013	8	8	16	5	1	6	8	9	17	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	12.8	5.8	9.8	12.8	14	29.1	20.0	33.8	44.1	47.6		
1SV20EC014	10	9	19	15	15	30	15	15	30	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	19.6	24.6	25	24.6	25	44.5	84.8	84.8	84.8	84.8		
1SV20EC015	8	8	16	15	15	30	12	12	24	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	12.8	19.8	20	16.8	17	29.1	68.3	68.3	57.9	57.9		
1SV20EC016	15	11	26	15	15	30	10	10	20	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	23.8	23.8	24	18.8	19	54.1	82.1	82.1	64.8	64.8		
1SV20EC017	15	15	30	15	15	30	15	14	29	2	2	2	2	2	8.4	8.4	8.4	8.4	8.4	25.4	25.4	25	25.4	24	57.7	87.6	87.6	87.6	84.1		
1SV20EC018	1	10	11	4	1	5	10	10	20	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	4.8	4.8	7.8	13.8	14	10.9	16.6	26.9	47.6	47.6		
1SV20EC019	10	10	20	6	6	12	11	11	22	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	15.4	11.4	11	16.4	16	35.0	39.3	39.3	56.6	56.6		
1SV21EC400	9	11	20	7	7	14	10	2	12	2	2	2	2	2	9.8	9.8	9.8	9.8	9.8	20.8	18.8	19	21.8	14	47.3	64.8	64.8	75.2	47.6		
1SV19EE003	5	5	10	10	1	11	12	13	25	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	9.6	5.6	15	16.6	18	21.8	19.3	50.3	57.2	60.7		
1SV19EE018	6	7	13	11	14	25	12	15	17	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	12.2	20.2	17	18.2	21	27.7	69.7	59.3	62.8	73.1		
1SV20EE001	10	11	21	1	10	11	8	8	16	2	2	2	2	2	3	3	3	3	3	15	15	6	13	13	34.1	51.7	20.7	44.8	44.8		
1SV20EE002	2	2	4	3	3	6	8	12	20	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	6.4	7.4	7.4	12.4	16	14.5	25.5	25.5	42.8	56.6		
1SV20EE003	12	11	23	12	16	28	10	19	29	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	19.8	23.8	20	17.8	27	45.0	82.1	68.3	61.4	92.4		
1SV20EE004	10	10	20	12	15	27	6	8	14	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	21.2	18	12.2	14	36.8	73.1	62.8	42.1	49.0		
1SV20EE006	14	12	26	10	20	30	20	10	30	2	2	2	2	2	8.6	8.6	8.6	8.6	8.6	24.6	30.6	21	30.6	21	55.9	105.5	71.0	105.5	71.0		
1SV20EE007	6	7	13	10	4	14	10	13	23	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	12.6	10.6	17	16.6	20	28.6	36.6	57.2	57.2	67.6		
1SV20IS001	7	7	14	6	6	12	13	12	25	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	10.2	9.2	9.2	16.2	15	23.2	31.7	31.7	55.9	52.4		
1SV20IS002	5	3	8	10	7	17	10	11	21	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	11.2	13.2	16	16.2	17	25.5	45.5	55.9	55.9	59.3		
1SV20IS003	10	7	17	8	11	19	15	7	23	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	17.2	14	21.2	13	36.8	59.3	49.0	73.1	45.5		
1SV20IS004	12	13	25	11	8	19	15	15	30	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	18.2	14.2	17	21.2	21	41.4	49.0	59.3	73.1	73.1		
1SV20IS005	3	3	6	9	9	18	15	5	20	2	2	2	2	2	0	0	0	0	0	5	11	11	17	7	11.4	37.9	37.9	58.6	24.1		
1SV20IS006	4	4	8	7	8	15	11	15	26	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	7.8	11.8	11	14.8	19	17.7	40.7	37.2	51.0	64.8		
1SV20IS007	3	1	4	0	0	0	7	7	14	2	2	2	2	2	0	0	0	0	0	5	2	2	9	9	11.4	6.9	6.9	31.0	31.0		
1SV20IS008	3	2	5	8	8	16	5	5	10	2	2	2	2	2	0	0	0	0	0	5	10	10	7	7	11.4	34.5	34.5	24.1	24.1		
1SV20IS009	2	3	5	15	12	23	14	14	28	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	6.2	16.2	19	18.2	18	14.1	55.9	66.2	62.8	62.8		
1SV20IS010	12	13	25	9	10	19	13	13	26	2	2	2	2	2	5	5	5	5	5	19	17	16	20	20	43.2	58.6	55.2	69.0	69.0		
1SV20IS011	15	8	23	12	13	25	15	15	30	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	21.2	19.2	18	21.2	21	48.2	66.2	62.8	73.1	73.1		
1SV20IS012	2	1	3	8	8	16	15	14	29	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	7.4	13.4	13	20.4	19	16.8	46.2	46.2	70.3	66.9		
1SV20IS013	0	0	0	8	8	16	15	11	26	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	4.4	12.4	12	19.4	15	10.0	42.8	42.8	66.9	53.1		
1SV20IS014	10	4	14	10	11	21	11	11	22	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	13.6	14.6	14	14.6	15	30.9	50.3	46.9	50.3	50.3		
1SV20CS001	15	11	26	13	15	28	14	15	29	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	24.6	24.6	23	23.6	25	55.9	84.8	77.9	81.4	84.8		
1SV20CS002	13	8	21	10	15	25	15	10	25	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	21.8	23.8	19	23.8	19	49.5	82.1	64.8	82.1	64.8		
1SV20CS003	15	15	30	15	15	30	15	14	29	2	2	2	2	2	8	8	8	8	8	25	25	25	25	24	56.8	86.2	86.2	86.2	82.8		
1SV20CS004	11	14	25	12	15	27	15	13	28	2	2	2	2	2	7.4	7.4	7.4	7.4	7.4	20.4	24.4	21	24.4	22	46.4	84.1	73.8	84.1	77.2		
1SV20CS005	12	14	26	15	2	17	15	14	29	2	2	2	2	2	7.4	7.4	7.4	7.4	7.4	21.4	11.4	24	24.4	23	48.6	39.3	84.1	84.1	80.7		
1SV20CS006	9	5	14	15	3	18	15	15	30	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	17.2	11.2	23	23.2	23	39.1	38.6	80.0	80.0	80.0		
1SV20CS007	9	12	21	12	15	27	15	15	30	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	18.2	24.2	21	24.2	24	41.4	83.4	73.1	83.4	83.4		

1SV20CS008	7	10	17	15	15	30	14	15	29	2	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	16.2	24.2	24	23.2	24	36.8	83.4	83.4	80.0	83.4	
1SV20CS009	11	6	17	12	15	27	15	15	30	2	2	2	2	2	2	7	7	7	7	7	20	24	21	24	24	45.5	82.8	72.4	82.8	82.8	
1SV20CS010	7	13	20	5	15	20	13	15	28	2	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	15.6	23.6	14	21.6	24	35.5	81.4	46.9	74.5	81.4	
1SV20CS011	4	0	4	11	6	17	8	10	18	2	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	10.6	12.6	18	14.6	17	24.1	43.4	60.7	50.3	57.2	
1SV20CS012	14	15	29	10	8	18	10	5	15	2	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	22.2	16.2	18	18.2	13	50.5	55.9	62.8	62.8	45.5	
1SV20CS013	15	10	25	14	12	26	14	9	23	2	2	2	2	2	2	7	7	7	7	7	24	21	23	23	18	54.5	72.4	79.3	79.3	62.1	
1SV20CS014	15	15	30	15	15	30	15	14	29	2	2	2	2	2	2	8	8	8	8	8	25	25	25	25	24	56.8	86.2	86.2	86.2	82.8	
1SV20CS015	10	9	19	4	7	11	15	12	27	2	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	17.8	14.8	12	22.8	20	40.5	51.0	40.7	78.6	68.3	
1SV20CS016	8	4	12	7	1	8	14	15	29	2	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	15.4	8.4	14	21.4	22	35.0	29.0	49.7	73.8	77.2	
1SV20CS017	7	10	17	1	15	16	10	2	12	2	2	2	2	2	2	5	5	5	5	5	14	22	8	17	9	31.8	75.9	27.6	58.6	31.0	
1SV20CS018	15	11	26	11	15	26	13	15	28	2	2	2	2	2	2	7.4	7.4	7.4	7.4	7.4	24.4	24.4	20	22.4	24	55.5	84.1	70.3	77.2	84.1	
1SV20CS019	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	5.2	5.2	5.2	5.2	5.2	11.8	17.9	17.9	17.9	17.9	
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1SV20CS021	14	9	23	7	11	18	15	6	21	2	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	22.2	19.2	15	23.2	14	50.5	66.2	52.4	80.0	49.0	
1SV20CS022	6	3	9	15	13	28	8	15	23	2	2	2	2	2	2	6	6	6	6	6	14	21	23	16	23	31.8	72.4	79.3	55.2	79.3	
1SV20CS023	4	12	16	5	7	12	15	5	20	2	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	11.2	14.2	12	22.2	12	25.5	49.0	42.1	76.6	42.1	
1SV20CS024	15	9	24	7	15	22	14	9	23	2	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	23.6	23.6	16	22.6	18	53.6	81.4	53.8	77.9	60.7	
1SV20CS025	0	0	0	0	15	15	13	12	25	2	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	4.8	6.8	21.8	6.8	19.8	19	15.5	75.2	23.4	68.3	64.8
1SV20CS026	6	1	7	0	0	0	15	9	24	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	12.2	6.2	6.2	21.2	15	27.7	21.4	21.4	73.1	52.4	
1SV20CS027	10	10	20	5	10	15	0	0	0	2	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	16.4	16.4	11	6.4	6.4	37.3	56.6	39.3	22.1	22.1	
1SV20CS028	15	12	27	15	15	30	15	10	25	2	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	24.6	24.6	25	24.6	20	55.9	84.8	84.8	84.8	67.6	
1SV20CS029	8	9	17	7	10	17	13	9	22	2	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	15.8	17.8	15	20.8	17	35.9	61.4	51.0	71.7	57.9	
1SV20CS030	1	4	5	5	10	15	14	6	20	2	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	4.8	7.8	16.8	12	20.8	13	17.7	57.9	40.7	71.7	44.1
1SV20CS031	13	13	26	15	15	30	12	15	27	2	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	22.6	24.6	25	21.6	25	51.4	84.8	84.8	74.5	84.8	
1SV20CS032	5	5	10	10	10	20	15	9	24	2	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	12.6	17.6	18	22.6	17	28.6	60.7	60.7	77.9	57.2	
1SV20CS033	15	4	19	15	15	30	13	10	23	2	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	23.8	23.8	24	21.8	19	54.1	82.1	82.1	75.2	64.8	
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1SV20CS037	15	15	30	15	15	30	14	15	29	2	2	2	2	2	2	8	8	8	8	8	25	25	25	24	25	56.8	86.2	86.2	82.8	86.2	
1SV20CS038	15	10	25	13	12	25	9	10	19	2	2	2	2	2	2	7	7	7	7	7	24	21	22	18	19	54.5	72.4	75.9	62.1	65.5	
1SV20CS039	13	15	28	13	11	24	2	1	3	2	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	20.8	18.8	21	9.8	8.8	47.3	64.8	71.7	33.8	30.3	
1SV20CS040	5	8	13	2	13	15	13	10	23	2	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	12.4	20.4	9.4	20.4	17	28.2	70.3	32.4	70.3	60.0	
1SV20CS041	7	6	13	2	7	9	8	2	10	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	13.2	13.2	8.2	14.2	8.2	30.0	45.5	28.3	49.0	28.3	
1SV20CS042	10	15	25	15	15	30	14	8	22	2	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	19.2	24.2	24	23.2	17	43.6	83.4	83.4	80.0	59.3	
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1SV20CS048	6	10	16	10	10	20	9	9	18	2	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	13.6	17.6	18	16.6	17	30.9	60.7	60.7	57.2	57.2	
1SV20CS049	5	2	7	0	0	0	15	9	24	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	11.2	6.2	6.2	21.2	15	25.5	21.4	21.4	73.1	52.4	
1SV20CS050	15	15	30	15	15	30	13	15	28	2	2	2	2	2	2	8	8	8	8	8	25	25	25	23	25	56.8	86.2	86.2	79.3	86.2	
1SV20CS051	15	14	29	5	6	11	15	9	24	2	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	23.4	14.4	13	23.4	17	53.2	49.7	46.2	80.7	60.0	
1SV20CS052	10	6	16	0	0	0	15	10	25	2	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	16.8	6.8	6.8	21.8	17	38.2	23.4	23.4	75.2	57.9	
1SV20CS053	10	10	20	7	9	16	14	13	27	2	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	18.2	17.2	15	22.2	21	41.4	59.3	52.4	76.6	73.1	
1SV20CS054	14	15	29	15	15	30	14	12	26	2	2	2	2	2	2	8	8	8	8	8	8	24	25	24	22	54.5	86.2	86.2	82.8	75.9	
1SV20CS055	2	6	8	3	10	13	15	15	30	2	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	9.4	17.4	10	22.4	22	21.4	60.0	35.9	77.2	77.2	
1SV20CS056	14	15	29	15	15	30	15	15	30	2	2	2	2	2	2	8	8	8	8	8	24	25	25	25	25	54.5	86.2	86.2	86.2	86.2	
1SV20CV001	15	15	30	15	15	30	15	15	30	2	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	18.2	18.2	18	18.2	18	41.4	62.8	62.8	62.8	62.8	
1SV20CV002	2	2	4	4	4	8	3	15	18	2	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	7.8	9.8	9.8	8.8	21	17.7	33.8	33.8	30.3	71.7	
1SV20CV003	5	4	9	7	7	14	15	14	29	2	2	2	2	2	2	3	3	3	3	3	10	12	12	20	19	22.7	41.4	41.4	69.0	65.5	
1SV20CV005	5	5	10	10	1	11	15	8	23	2	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	9.4	5.4	14	19.4	12	21.4	18.6	49.7	66.9	42.8	
1SV20CV006	5	3	8	10	3	13	8	8	16</																						

DEPARTMENT OF MATHEMATICS

COLLEGE		SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY												
FACULTY NAME		Dr. KISHOR KUMAR M K/Dr. CHETANA C/Prof. RASHMI S B												
BRANCH		ECE/EEE/CSE/CVE/ISE/AIDS/ME						ACADEMIC YEAR			2021-22			
COURSE	B.E	SEMESTER						II	SECTION			A,B,C,D		
SUBJECT	ADVANCED CALCULUS AND NUMERICAL METHODS						SUBJECT CODE			21MAT21				
CO & PO MAPPING														

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	63	1.26	1.89	0	0	0	0	0	0	0	0	0	0.63
CO2	70	1.40	2.10	0	0	0	0	0	0	0	0	0	0.70
CO3	54	1.08	1.62	0	0	0	0	0	0	0	0	0	0.54
CO4	62	1.25	1.87	0	0	0	0	0	0	0	0	0	0.62
CO5	61	1.22	1.83	0	0	0	0	0	0	0	0	0	0.61
AVG	62	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.4



Kishor Kumar M K
Staff in-charge

Chetana C
HOD

Rashmi S B
PRINCIPAL
SIET, TUMAKURU
Principal

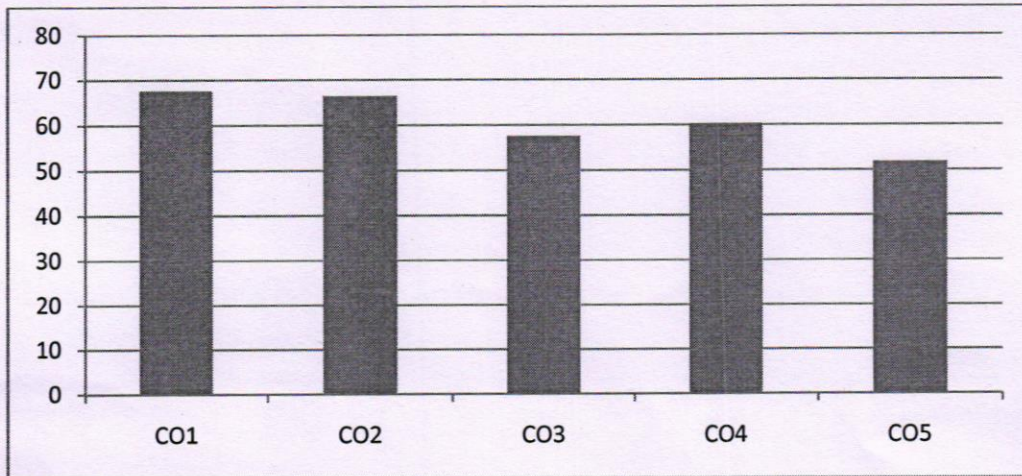
1SV21AD006	7	7	14	10	6	16	5	20	5	0	5	35	4	4	4	4	4	1.2	1.2	1.2	1.2	1.2	10.2	25.2	26.2	12.2	10.2	30.00	74.12	27.87	22.59	30.00	
1SV21AD008	20	16	36	10	6	16	5	5	5	0	5	20	4	4	4	4	4	0	0	0	0	0	9	9	25	20	9	26.47	26.47	26.60	37.04	26.47	
1SV21AD009	20	4	24	20	16	36	20	20	20	10	90	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	30.8	30.8	66.8	34.8	20.8	90.59	90.59	71.06	64.44	61.18		
1SV21AD010	6	10	16	6	20	26	10	10	10	10	50	4	4	4	4	4	2.6	2.6	2.6	2.6	2.6	16.6	16.6	42.6	26.6	16.6	48.82	48.82	45.32	49.26	48.82		
1SV21AD011	10	6	16	20	4	24	10	0	10	10	5	35	4	4	4	4	1.6	1.6	1.6	1.6	1.6	15.6	5.6	39.6	21.6	10.6	45.88	16.47	42.13	40.00	31.18		
1SV21AD012	4	4	8	20	18	38	10	10	20	10	60	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	17.6	17.6	65.6	21.6	17.6	51.76	51.76	69.79	40.00	51.76		
1SV21AD013	4	10	14	20	16	36	5	5	5	5	5	25	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	12.6	12.6	48.6	22.6	12.6	37.06	37.06	51.70	41.85	37.06	
1SV21AD015	10	16	26	11	11	22	5	5	5	10	10	35	4	4	4	4	1.8	1.8	1.8	1.8	1.8	10.8	10.8	32.8	31.8	15.8	31.76	31.76	34.89	58.89	46.47		
1SV21AD016	8	8	16	11	11	22	10	10	10	10	50	4	4	4	4	4	2.8	2.8	2.8	2.8	2.8	16.8	16.8	38.8	24.8	16.8	49.41	49.41	41.28	45.93	49.41		
1SV21AD017	2	2	4	20	6	26	10	10	0	10	10	40	4	4	4	4	4	4	4	4	4	4	18	18	34	20	18	52.94	52.94	36.17	37.04	52.94	
1SV21AD018	1	1	2	2	2	4	1	1	1	1	5	4	4	4	4	4	0.4	0.4	0.4	0.4	0.4	5.4	5.4	9.4	6.4	5.4	15.88	15.88	10.00	11.85	15.88		
1SV21AD019	9	9	18	10	14	24	10	0	10	10	20	50	4	4	4	4	4	5.8	5.8	5.8	5.8	5.8	19.8	9.8	43.8	28.8	29.8	58.24	28.82	46.60	53.33	87.65	
1SV21AD020	8	20	28	15	15	30	20	20	0	0	0	40	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	27.6	27.6	37.6	27.6	7.6	81.18	81.18	40.00	51.11	22.35	
1SV21AD021	20	14	34	18	18	36	20	20	20	10	5	75	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	27.6	27.6	63.6	31.6	12.6	81.18	81.18	67.66	58.52	37.06	
1SV21AD022	14	20	34	15	15	30	20	0	20	20	20	80	4	4	4	4	4	7.8	7.8	7.8	7.8	7.8	31.8	11.8	61.8	51.8	31.8	93.53	34.71	65.74	95.93	93.53	
1SV21AD023	20	10	30	6	20	26	10	10	10	15	10	55	4	4	4	4	4	1.4	1.4	1.4	1.4	1.4	15.4	15.4	41.4	30.4	15.4	45.29	45.29	44.04	56.30	45.29	
1SV21AD024	20	10	30	20	20	40	10	10	0	0	10	30	4	4	4	4	4	2	2	2	2	2	2	16	16	46	16	16	47.06	47.06	48.94	29.63	47.06
1SV21AD025	8	20	28	20	16	36	10	20	10	10	60	4	4	4	4	4	4.6	4.6	4.6	4.6	4.6	18.6	28.6	54.6	38.6	18.6	54.71	84.12	58.09	71.48	54.71		
1SV21AD026	20	20	40	20	20	40	20	20	20	20	100	4	4	4	4	4	8	8	8	8	8	32	32	72	52	32	94.12	94.12	76.60	96.30	94.12		
1SV21AD027	9	9	18	9	9	18	10	10	0	10	10	40	4	4	4	4	4	2	2	2	2	2	16	16	24	25	16	47.06	47.06	25.53	46.30	47.06	
1SV21AD028	14	0	14	0	0	0	10	20	0	20	10	60	4	4	4	4	4	1.4	1.4	1.4	1.4	1.4	15.4	25.4	5.4	25.4	15.4	45.29	74.71	5.74	47.04	45.29	
1SV21AD029	8	8	16	15	15	30	20	20	0	0	0	40	4	4	4	4	4	1.8	1.8	1.8	1.8	1.8	15.8	25.8	35.8	13.8	5.8	75.88	75.88	38.09	25.56	17.06	
1SV21AD030	7	7	14	8	8	16	5	5	10	10	5	35	4	4	4	4	4	3	3	3	3	3	12	12	33	24	12	35.29	35.29	35.11	44.44	35.29	
1SV21AD031	10	4	14	9	9	18	10	10	10	20	10	60	4	4	4	4	4	0.6	0.6	0.6	0.6	0.6	14.6	14.6	32.6	28.6	14.6	42.94	42.94	34.68	52.96	42.94	
1SV21AD032	5	4	9	10	12	22	20	10	10	5	0	45	4	4	4	4	4	3.8	3.8	3.8	3.8	3.8	27.8	17.8	39.8	16.8	7.8	81.76	52.35	42.34	31.11	22.94	
1SV21AD033	8	10	18	15	15	30	20	20	0	15	55	4	4	4	4	4	0	0	0	0	0	24	24	34	14	19	70.59	70.59	36.17	25.93	55.88		
1SV21AD034	10	10	20	10	10	20	18	0	0	18	0	36	4	4	4	4	4	2.8	2.8	2.8	2.8	2.8	24.8	6.8	26.8	34.8	6.8	72.94	20.00	28.51	64.44	20.00	
1SV21AD035	4	20	34	20	20	40	20	20	10	5	75	4	4	4	4	4	6	6	6	6	6	30	30	70	40	15	88.24	88.24	74.47	74.07	44.12		
1SV21AD036	12	20	32	6	20	26	20	20	20	10	5	75	4	4	4	4	4	0	0	0	0	0	24	24	50	34	9	70.59	70.59	53.19	62.96	26.47	
1SV21AD037	20	14	34	14	14	28	10	10	20	20	5	65	4	4	4	4	4	4.4	4.4	4.4	4.4	4.4	18.4	18.4	56.4	42.4	13.4	54.12	54.12	60.00	78.52	39.41	
1SV21AD038	20	20	40	20	20	40	20	20	20	20	100	4	4	4	4	4	8	8	8	8	8	32	32	72	52	32	94.12	94.12	76.60	96.30	94.12		
1SV21AD039	7	7	14	12	10	22	10	10	15	10	20	65	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	17.6	17.6	44.6	24.6	27.6	51.76	51.76	47.45	45.56	81.18	
1SV21AD040	20	2	22	19	19	38	20	20	10	20	20	90	4	4	4	4	4	0.8	0.8	0.8	0.8	0.8	24.8	24.8	52.8	26.8	24.8	72.94	72.94	56.17	49.63	72.94	
1SV21IS001	10	11	21	18	20	38	13	20	20	20	20	87	4	4	4	4	4	5	5	5	5	5	22	29	67	40	29	64.71	85.29	71.28	74.07	85.29	
1SV21IS002	11	8	19	12	9	21	9	10	11	16	1	47	4	4	4	4	4	5	5	5	5	5	18	19	41	33	10	52.94	55.88	43.62	61.11	29.41	
1SV21IS003	15	20	35	20	19	39	20	16	13	19	15	83	4	4	4	4	4	4.2	4.2	4.2	4.2	4.2	24.2	24.2	60.2	47.2	23.2	82.94	71.18	64.04	87.41	68.24	
1SV21IS004	6	20	26	19	17	36	20	20	19	14	17	90	4	4	4	4	4	3.8	3.8	3.8	3.8	3.8	27.8	27.8	62.8	41.8	24.8	81.76	81.76	66.81	77.41	72.94	
1SV21IS005	20	15	35	15	7	22	17	14	15	11	0	57	4	4	4	4	4	5.2	5.2	5.2	5.2	5.2	26.2	23.2	46.2	35.2	9.2	77.06	68.24	49.15	65.19	27.06	
1SV21IS006	13	18	31	19	16	35	3	19	19	19	12	53	4	4	4	4	4	5.6	5.6	5.6	5.6	5.6	12.6	28.6	63.6	46.6	21.6	37.06	84.12	67.66	86.30	63.53	
1SV21IS007	20	20	40	20	20	40	20	20	20	20	100	4	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	30.8	30.8	70.8	50.8	30.8	90.59	90.59	75.32	94.07	90.59	
1SV21IS008	6	3	9	6	19	25	5	20	11	12	6	54	4	4	4	4	4	2	2	2	2	2	11	26	42	21	12	32.35	76.47	44.68	38.89	35.29	
1SV21IS009	20	20	4	20	20	40	18	20	20	20	20	98	4	4	4	4	4	5.6	5.6	5.6	5.6	5.6	27.6	29.6	69.6	49.6	29.6	81.18	87.06	74.04	91.85	87.06	
1SV21IS010	11	15	26	19	17	36	10	18	19	20	15	82	4	4	4	4	4	5.4	5.4	5.4	5.4	5.4	19.4	27.4	64.4	44.4	24.4	57.06	80.59	68.51	82.22	71.76	
1SV21IS011	19	17	36	20	20	40	10	18	19	20	6	73	4	4	4	4	4	5	5	5	5	5	19	27	68	46	15	55.88	79.41	72.34	85.19	44.12	
1SV21IS012	14	20	34	20	20	40	13	20	20	18	20	91	4	4	4	4	4	7.2	7.2	7.2	7.2	7.2	24.2	31.2	71.2	49.2	31.2	71.18	91.76	75.74	91.11	91.76	
1SV21IS013	10	10	20	19	10	29	0	11	19	19	13	62	4	4	4	4	4	1.2	1.2	1.2	1.2	1.2	5.2	16.2	53.2	34.2	18.2	15.29	47.65	56.60	63.33	53.53	
1SV21IS014	13	16	29	20	20	40	18	20	20	20	20	98	4	4	4	4	4	6.4	6.4	6.4	6.4	6.4	28.4	30.4	70.4	46.4	30.4	83.53	89.41	74.89	85.93	89.41	
1SV21IS015	18	20	38	20	12	33	12	20	20	20	20	92	4	4	4	4	4	4.4	4.4	4.4	4.4	4.4	20.4	28.4	60.4	48.4	28.4	60.00	83.53	64.26	89.63	83.53	
1SV21IS016	13	20</																															

1SV21IS027	11	17	28	11	3	14	10	11	8	13	9	51	4	4	4	4	4	3.8	3.8	3.8	3.8	3.8	17.8	18.8	29.8	37.8	16.8	52.35	55.29	31.70	70.00	49.41	
1SV21IS028	16	2	18	14	14	28	13	13	11	20	14	71	4	4	4	4	4	6.4	6.4	6.4	6.4	6.4	23.4	23.4	49.4	32.4	24.4	68.82	68.82	52.55	60.00	71.76	
1SV21IS029	20	9	29	16	15	31	13	20	20	19	92	4	4	4	4	4	5.2	5.2	5.2	5.2	5.2	22.2	29.2	60.2	38.2	28.2	65.29	85.88	64.04	70.74	82.94		
1SV21IS030	3	3	6	3	3	6	0	0	0	0	0	0	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	7.6	7.6	13.6	10.6	7.6	22.35	22.35	14.47	19.63	22.35	
1SV21IS031	12	8	20	20	19	39	14	20	15	10	14	73	4	4	4	4	4	5.4	5.4	5.4	5.4	5.4	23.4	29.4	63.4	27.4	23.4	68.82	86.47	67.45	50.74	68.82	
1SV21IS032	10	20	30	15	20	35	19	20	20	18	19	96	4	4	4	4	4	4.4	4.4	4.4	4.4	4.4	27.4	28.4	63.4	46.4	27.4	80.59	83.53	67.45	85.93	80.59	
1SV21IS033	7	2	9	8	20	28	11	17	9	0	10	47	4	4	4	4	4	2.6	2.6	2.6	2.6	2.6	17.6	23.6	43.6	8.6	16.6	51.76	69.41	46.38	15.93	48.82	
1SV21IS034	7	6	13	7	16	23	20	13	6	2	9	50	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	27.6	20.6	36.6	15.6	16.6	81.18	60.59	38.94	28.89	48.82	
1SV21IS035	11	20	31	20	13	33	17	14	20	20	16	87	4	4	4	4	4	8.2	8.2	8.2	8.2	8.2	29.2	26.2	65.2	52.2	28.2	85.88	77.06	69.36	96.67	82.94	
1SV21IS036	7	8	14	19	20	39	20	20	20	20	100	4	4	4	4	4	4	4	4	4	4	4	28	28	67	36	28	82.35	82.35	71.28	66.67	82.35	
1SV21IS037	20	17	37	20	40	20	20	20	20	20	58	4	4	4	4	4	4	7.6	7.6	7.6	7.6	7.6	31.6	31.6	71.6	48.6	31.6	92.94	92.94	76.17	90.00	92.94	
1SV21CS001	14	16	30	14	8	22	15	16	15	13	13	72	4	4	4	4	4	8	8	8	8	8	27	28	49	41	25	79.41	82.35	52.13	75.93	73.53	
1SV21CS002	20	20	40	20	20	40	20	20	20	20	100	4	4	4	4	4	4	10	10	10	10	10	34	34	74	54	34	100.00	100.00	78.72	100.00	100.00	
1SV21CS003	4	12	16	0	3	3	0	12	4	10	8	34	4	4	4	4	4	5.4	5.4	5.4	5.4	5.4	9.4	21.4	16.4	31.4	17.4	27.65	62.94	17.45	58.15	51.18	
1SV21CS004	1	4	5	9	8	17	0	5	7	6	9	27	4	4	4	4	4	4.4	4.4	4.4	4.4	4.4	8.4	13.4	32.4	18.4	17.4	24.71	39.41	34.47	34.07	51.18	
1SV21CS005	16	16	32	12	13	25	9	16	19	9	0	53	4	4	4	4	4	7.8	7.8	7.8	7.8	7.8	20.8	27.8	55.8	36.8	11.8	61.18	81.76	59.36	68.15	34.71	
1SV21CS006	13	14	27	20	18	38	13	10	12	9	18	62	4	4	4	4	4	8.6	8.6	8.6	8.6	8.6	25.6	22.6	62.6	35.6	30.6	75.29	66.47	66.60	65.93	90.00	
1SV21CS008	10	15	25	14	17	31	12	20	20	20	18	90	4	4	4	4	4	8.6	8.6	8.6	8.6	8.6	24.6	32.6	63.6	47.6	30.6	72.35	95.88	67.66	88.15	90.00	
1SV21CS009	19	20	39	19	11	30	16	15	18	20	19	88	4	4	4	4	4	9.2	9.2	9.2	9.2	9.2	29.2	28.2	61.2	53.2	32.2	85.88	82.94	65.11	98.52	94.71	
1SV21CS010	17	17	34	20	15	35	8	20	20	19	20	87	4	4	4	4	4	9.4	9.4	9.4	9.4	9.4	21.4	33.4	68.4	49.4	33.4	62.94	98.24	72.77	91.48	98.24	
1SV21CS012	15	20	35	20	16	36	20	20	20	19	99	4	4	4	4	4	4	9.4	9.4	9.4	9.4	9.4	33.4	33.4	69.4	53.4	32.4	98.24	98.24	73.83	98.89	95.29	
1SV21CS013	9	5	14	6	4	10	7	15	11	6	10	49	4	4	4	4	4	6	6	6	6	6	17	25	31	21	20	50.00	73.53	32.98	38.89	58.82	
1SV21CS014	15	16	31	20	15	35	13	18	20	14	11	76	4	4	4	4	4	9	9	9	9	9	26	31	68	43	24	76.47	91.18	72.34	79.63	70.59	
1SV21CS015	14	18	32	20	16	36	20	20	20	20	100	4	4	4	4	4	4	9.2	9.2	9.2	9.2	9.2	33.2	33.2	69.2	51.2	33.2	97.65	97.65	73.62	94.81	97.65	
1SV21CS016	20	20	40	20	20	40	18	20	20	20	20	98	4	4	4	4	4	10	10	10	10	10	32	34	74	54	34	94.12	100.00	78.72	100.00	100.00	
1SV21CS017	10	13	23	12	14	26	20	20	20	18	98	4	4	4	4	4	4	8.6	8.6	8.6	8.6	8.6	32.6	32.6	58.6	45.6	30.6	95.88	95.88	62.34	84.44	90.00	
1SV21CS018	20	20	40	20	20	40	17	20	20	20	20	97	4	4	4	4	4	10	10	10	10	10	31	34	74	54	34	91.18	100.00	78.72	100.00	100.00	
1SV21CS019	9	8	17	20	18	38	3	20	20	16	17	76	4	4	4	4	4	8	8	8	8	8	15	32	70	36	29	44.12	94.12	74.47	66.67	85.29	
1SV21CS020	11	17	28	19	18	37	19	20	20	20	18	97	4	4	4	4	4	9.2	9.2	9.2	9.2	9.2	32.2	33.2	70.2	50.2	31.2	94.71	97.65	74.68	92.96	91.76	
1SV21CS021	4	3	7	10	11	21	9	5	7	9	6	36	4	4	4	4	4	6.2	6.2	6.2	6.2	6.2	19.2	15.2	38.2	22.2	16.2	56.47	44.71	40.64	41.11	47.65	
1SV21CS022	20	20	40	20	20	40	20	20	20	20	100	4	4	4	4	4	4	10	10	10	10	10	34	34	74	54	34	100.00	100.00	78.72	100.00	100.00	
1SV21CS023	14	20	34	20	10	30	7	20	20	16	18	81	4	4	4	4	4	8.8	8.8	8.8	8.8	8.8	19.8	32.8	62.8	48.8	30.8	58.24	96.47	66.81	90.37	90.59	
1SV21CS024	7	7	14	12	14	26	6	11	5	10	11	43	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	16.8	21.8	41.8	27.8	21.8	49.41	64.12	44.47	51.48	64.12	
1SV21CS025	20	17	37	20	20	40	10	20	16	13	12	71	4	4	4	4	4	9.4	9.4	9.4	9.4	9.4	23.4	33.4	69.4	43.4	25.4	68.82	98.24	73.83	80.37	74.71	
1SV21CS026	20	20	40	20	20	40	17	20	20	20	19	86	4	4	4	4	4	9.8	9.8	9.8	9.8	9.8	30.8	33.8	73.8	53.8	32.8	90.59	99.41	78.51	99.63	96.47	
1SV21CS027	15	10	25	17	19	36	10	6	12	10	19	57	4	4	4	4	4	8.4	8.4	8.4	8.4	8.4	22.4	18.4	60.4	32.4	31.4	65.88	54.12	64.26	60.00	92.35	
1SV21CS028	17	19	36	20	19	39	20	18	20	17	11	86	4	4	4	4	4	9.6	9.6	9.6	9.6	9.6	33.6	31.6	72.6	49.6	24.6	98.82	92.94	77.23	91.85	72.35	
1SV21CS029	17	15	32	20	14	34	8	20	18	16	17	79	4	4	4	4	4	9	9	9	9	9	21	33	65	44	30	61.76	97.06	69.15	81.48	88.24	
1SV21CS030	19	20	39	20	20	40	14	19	20	20	20	93	4	4	4	4	4	10	10	10	10	10	28	33	74	54	34	82.35	97.06	78.72	100.00	100.00	
1SV21CS031	7	6	13	12	6	18	0	0	0	0	0	0	4	4	4	4	4	4.4	4.4	4.4	4.4	4.4	8.4	8.4	26.4	14.4	8.4	24.71	24.71	28.09	26.67	24.71	
1SV21CS032	6	10	16	13	4	17	0	11	10	9	2	32	4	4	4	4	4	6.4	6.4	6.4	6.4	6.4	10.4	10.4	29.4	12.4	30.59	62.94	39.79	54.44	36.47		
1SV21CS033	17	7	24	11	18	29	4	17	20	14	10	65	4	4	4	4	4	7.8	7.8	7.8	7.8	7.8	15.8	28.8	60.8	32.8	21.8	46.47	84.71	64.68	60.74	64.12	
1SV21CS034	4	1	5	5	6	11	1	8	7	2	1	19	4	4	4	4	4	5.2	5.2	5.2	5.2	5.2	10.2	17.2	27.2	12.2	10.2	30.00	50.59	28.94	22.59	30.00	
1SV21CS035	20	20	40	20	19	39	18	20	20	20	18	96	4	4	4	4	4	10	10	10	10	10	32	34	73	54	32	94.12	100.00	77.66	100.00	94.12	
1SV21CS036	12	20	32	15	17	32	11	18	19	20	9	77	4	4	4	4	4	8.8	8.8	8.8	8.8	8.8	23.8	30.8	63.8	52.8	21.8	70.00	90.59	67.87	97.78	64.12	
1SV21CS037	12	6	18	15	13	28	0	11	16	18	8	53	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	10.8	10.8	21.8	54.8	34.8	18.8	31.76	64.12	58.30	64.44	55.29
1SV21CS038	20	20	40	20	18	38	12	20	20	20	20	92	4	4	4	4	4	9.6	9.6	9.6	9.6	9.6	25.6	33.6	71.6	53.6	33.6	75.29	98.82	76.17	99.26	98.82	
1SV21CS039	6	1	7	3	4	7	0	12	7	5	11	35	4	4	4	4	4																

DEPARTMENT OF MATHEMATICS

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY					
FACULTY NAME	Dr. KISHOR KUMAR M K/Dr. CHETANA C/Prof. RASHMI S B					
BRANCH	ECE/EEE/CSE/CVE/ISE/ME			ACADEMIC YEAR	2021-22	
COURSE	B.E	SEMESTER		IV	SECTION	ALL BRANCHS
SUBJECT	COMPLEX ANALYSIS, PROBABILITY AND STATISTICAL METHODS				SUBJECT CODE	18MAT41
CO & PO MAPPING						

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	68	1.35	2.03	0	0	0	0	0	0	0	0	0	0.68
CO2	66	1.33	1.99	0	0	0	0	0	0	0	0	0	0.66
CO3	58	1.15	1.73	0	0	0	0	0	0	0	0	0	0.58
CO4	60	1.21	1.81	0	0	0	0	0	0	0	0	0	0.60
CO5	52	1.04	1.56	0	0	0	0	0	0	0	0	0	0.52
AVG	61	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.4



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Staff in-charge

[Signature]
HOD

[Signature]
PRINCIPAL
SIRSIKURU.

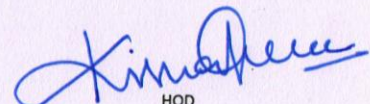
Academic year:2021-22		SEM	IV											Subject	COMPLEX ANALYSIS,PROBABILITY AND STATISTICAL METHODS										Subject Code	IRMAT41									
SEM:IV		IA TEST 1(30M)			IA TEST 2(30M)			IA TEST 3(100M)					ASSIGNMENT(10 M)					SEE MARKS(60)					Total Cos ATTAINMENT						% of individual CO						
USN	CO5	TOTAL	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1=1	CO2	CO3	CO4	CO5	CO1=3	CO2=3	CO3=5	CO4=5	CO5=6	CO1	CO2	CO3	CO4	CO5				
1SV20EC001	3	3	15	13	28	20	20	20	17	13	90	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	28.2	28.2	43.2	38.2	24.2	82.9	82.9	80.0	70.7	37.8				
1SV20EC002	2	2	4	3	7	20	12	12	19	0	63	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	24.2	16.2	20.2	26.2	6.2	71.2	47.6	37.4	48.5	9.7				
1SV20EC003	16	16	8	8	16	20	13	13	20	6	72	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	26.2	19.2	27.2	34.2	28.2	77.1	56.5	50.4	63.3	44.1				
1SV20EC004	1	1	5	6	11	6	20	6	20	6	58	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	13.2	13.2	27.2	18.2	33.2	14.2	38.8	80.0	33.7	61.5	22.2			
1SV20EC005	2	2	5	5	5	10	20	13	0	20	53	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	13.6	23.6	21.6	8.6	25.6	40.0	69.4	40.0	15.9	40.0				
1SV20EC006	1	1	0	2	2	18	18	20	18	6	80	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	21.6	21.6	23.6	23.6	10.6	63.5	63.5	43.7	43.7	16.6				
1SV20EC007	3	3	14	15	29	20	20	20	20	19	99	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	23.6	23.6	37.6	38.6	25.6	69.4	69.4	69.6	71.5	40.0				
1SV20EC008	26	26	13	12	25	20	20	20	20	20	100	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	29.8	29.8	42.8	41.8	55.8	87.6	87.6	79.3	77.4	87.2				
1SV20EC009	1	1	0	11	11	6	0	13	20	20	59	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	9.8	3.8	16.8	34.8	24.8	28.8	11.2	31.1	64.4	38.8				
1SV20EC010	5	5	20	14	34	4	0	0	0	9	13	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	10.2	6.2	26.2	20.2	20.2	30.0	18.2	48.5	37.4	31.6				
1SV20EC011	16	16	6	10	16	20	20	14	20	14	88	2	2	2	2	2	7	7	7	7	7	29	29	29	39	39	85.3	85.3	53.7	72.2	60.9				
1SV20EC012	4	4	13	0	13	0	0	7	20	6	33	2	2	2	2	2	3	3	3	3	3	5	5	25	25	15	14.7	14.7	46.3	46.3	23.4				
1SV20EC013	5	5	20	14	24	4	0	0	0	9	13	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	8.4	4.4	24.4	18.4	18.4	24.7	12.9	45.2	34.1	28.8				
1SV20EC014	12	12	8	5	13	14	20	20	19	6	79	2	2	2	2	2	9.2	9.2	9.2	9.2	9.2	25.2	31.2	39.2	35.2	29.2	74.1	91.8	72.6	65.2	45.6				
1SV20EC015	30	30	15	15	30	20	20	20	20	20	100	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	24.8	24.8	39.8	39.8	54.8	72.9	72.9	73.7	73.7	85.6				
1SV20EC016	29	29	15	8	23	20	20	20	20	20	100	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	29.8	29.8	44.8	37.8	58.8	87.6	87.6	83.0	70.0	91.9				
1SV20EC017	30	30	15	13	28	20	20	20	20	20	100	2	2	2	2	2	8.2	8.2	8.2	8.2	8.2	30.2	30.2	45.2	43.2	60.2	88.8	88.8	83.7	80.0	94.1				
1SV20EC018	5	5	20	14	24	4	0	0	0	9	13	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	8.6	4.6	24.6	18.6	18.6	25.3	13.5	45.6	34.4	29.1				
1SV20EC019	10	10	8	9	17	20	20	20	14	13	87	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	26.2	26.2	34.2	29.2	29.2	77.1	77.1	63.3	54.1	45.6				
1SV21EC400	23	23	10	5	15	20	13	4	20	8	65	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	26.6	19.6	20.6	31.6	37.6	78.2	57.6	38.1	58.5	58.8				
1SV20IS001	25	25	4	4	8	20	20	20	9	0	69	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	26.2	26.2	30.2	19.2	31.2	77.1	77.1	55.9	35.6	48.8				
1SV20IS002	11	11	9	1	10	5	5	5	5	13	33	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	11.4	11.4	20.4	12.4	30.4	33.5	33.5	37.8	23.0	47.5				
1SV20IS003	18	18	9	9	18	10	10	10	20	9	69	2	2	2	2	2	8	8	8	8	8	20	20	29	39	37	58.8	58.8	53.7	72.2	57.8				
1SV20IS004	23	23	12	13	25	10	10	10	10	13	73	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	19.6	19.6	41.6	32.6	45.6	57.6	57.6	77.0	60.4	71.3				
1SV20IS005	5	5	5	5	10	10	10	10	10	3	43	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	16.6	16.6	21.6	21.6	14.6	48.8	48.8	40.0	40.0	22.8				
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1SV20IS007	0	0	2	1	3	20	20	20	19	0	79	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	24.8	24.8	26.8	24.8	4.8	72.9	72.9	49.6	45.9	7.5				
1SV20IS008	0	0	10	1	11	10	19	10	10	10	59	2	2	2	2	2	1	1	1	1	1	13	22	23	14	13	38.2	64.7	42.6	25.9	20.3				
1SV20IS009	0	0	3	10	13	13	10	10	10	10	63	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	19.4	16.4	19.4	26.4	16.4	57.1	48.2	35.9	48.9	25.6				
1SV20IS010	19	19	7	7	14	20	20	20	20	3	83	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	23.6	23.6	30.6	30.6	25.6	69.4	69.4	56.7	56.7	40.0				
1SV20IS011	15	15	3	10	13	20	20	20	20	6	86	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	27.8	27.8	30.8	37.8	28.8	81.8	81.8	57.0	70.0	45.0				
1SV20IS012	7	7	10	2	12	10	20	20	10	0	60	2	2	2	2	2	8	8	8	8	8	20	30	40	22	17	58.8	88.2	74.1	40.7	26.6				
1SV20IS013	5	5	6	6	12	5	5	5	20	5	40	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	9.4	9.4	15.4	30.4	14.4	27.6	27.6	28.5	56.3	22.5				
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1SV20CS001	20	20	10	14	24	20	20	20	20	12	92	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	28.8	28.8	38.8	42.8	40.8	84.7	84.7	71.9	79.3	63.8				
1SV20CS002	11	11	5	9	14	10	14	14	20	6	64	2	2	2	2	2	5	5	5	5	5	17	21	26	36	24	50.0	61.8	48.1	66.7	37.5				
1SV20CS003	30	30	13	15	28	20	20	6	20	20	86	2	2	2	2	2	8	8	8	8	8	30	30	29	45	60	88.2	88.2	53.7	83.3	93.8				
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1SV20CS006	20	20	10	15	25	20	13	20	20	13	86	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	28.8	21.8	38.8	43.8	41.8	84.7	64.1	71.9	81.1	65.3				
1SV20CS007	13	13	1	15	16	13	18	20	13	0	64	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	20.4	25.4	28.4	35.4	20.4	60.0	74.7	52.6	65.6	31.9				
1SV20CS008	10	10	13	12	25	20	20	20	20	0	80	2	2	2	2	2	6	6	6	6	6	28	28	41	40	18	82.4	82.4	75.9	74.1	28.1				
1SV20CS009	15	15	15	14	29	20	20	20	20	13	93	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	28.8	28.8	43.8	42.8	36.8	84.7	84.7	81.1	79.3	57.5				
1SV20CS010	28	28	15	15	30	20	20	20	20	20	100	2	2	2	2	2	8	8	8	8	8	30	30	45	45	58	88.2	88.2	83.3	83.3	90.6				
1SV20CS011	15	15	6	13	19	20	11	16	20	0	67	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	27.6	18.6	29.6	40.6	22.6	81.2	54.7	54.8	75.2	35.3				
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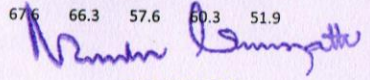
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1SV20CS021	22	22	10	8	18	20	20	7	9	7	63	2	2	2	2	2	6	6	6	6	6	28	28	25	25	37	82.4	82.4	46.3	46.3	57.8	
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1SV20CS023	13	13	7	5	12	14	9	15	18	0	56	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	20.2	15.2	28.2	29.2	19.2	59.4	44.7	52.2	54.1	30.0	
1SV20CS024	15	15	4	13	17	20	15	20	20	17	92	2	2	2	2	2	6	6	6	6	6	28	23	32	41	40	82.4	67.6	59.3	75.9	62.5	
1SV20CS025	4	4	6	10	16	7	9	9	15	0	40	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	12.8	14.8	20.8	30.8	9.8	37.6	43.5	38.5	57.0	15.3	
1SV20CS026	0	0	0	12	12	13	6	13	11	0	43	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	18.8	11.8	18.8	28.8	5.8	55.3	34.7	34.8	53.3	9.1	
1SV20CS028	11	11	14	20	34	9	15	13	20	2	59	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	16.8	22.8	34.8	47.8	20.8	49.4	67.1	64.4	88.5	32.5	
1SV20CS029	6	6	10	5	15	20	17	20	18	2	77	2	2	2	2	2	5	5	5	5	5	27	24	37	30	15	79.4	70.6	68.5	55.6	23.4	
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1SV20CS034	27	27	15	15	30	17	16	10	11	11	65	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	26.2	25.2	34.2	35.2	47.2	77.1	74.1	63.3	65.2	73.8	
1SV20CS035	30	30	13	13	26	20	20	20	20	20	100	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	29.8	29.8	42.8	42.8	59.8	87.6	87.6	79.3	79.3	93.4	
1SV20CS036	26	26	10	13	23	20	13	13	20	20	86	2	2	2	2	2	7	7	7	7	7	29	22	32	42	55	85.3	64.7	59.3	77.8	85.9	
1SV20CS037	30	30	13	15	28	20	14	20	20	20	94	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	29.8	23.8	42.8	44.8	59.8	87.6	70.0	79.3	83.0	93.4	
1SV20CS038	8	8	11	5	16	17	20	11	19	2	69	2	2	2	2	2	5	5	5	5	5	24	27	29	31	17	70.6	79.4	53.7	57.4	26.6	
1SV20CS039	10	10	10	11	21	20	18	14	10	13	75	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	27.6	25.6	31.6	28.6	30.6	81.2	75.3	58.5	53.0	47.8	
1SV20CS040	5	5	4	14	18	13	12	15	15	0	55	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	19.6	18.6	25.6	35.6	11.6	57.6	54.7	47.4	65.9	18.1	
1SV20CS041	6	6	5	5	10	13	11	13	13	0	50	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	19.2	17.2	24.2	24.2	12.2	56.5	50.6	44.8	44.8	19.1	
1SV20CS042	15	15	15	12	27	20	20	13	12	2	67	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	28.2	28.2	36.2	32.2	25.2	82.9	82.9	67.0	59.6	39.4	
1SV20CS043	2	2	10	15	25	20	14	20	15	13	82	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	27.6	21.6	37.6	37.6	22.6	81.2	63.5	69.6	69.6	35.3	
1SV20CS045	25	25	12	5	17	20	20	13	18	12	83	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	28.6	28.6	33.6	31.6	45.6	84.1	84.1	62.2	58.5	71.3	
1SV20CS046	6	6	7	7	14	12	0	13	13	0	38	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	17.8	5.8	25.8	25.8	11.8	52.4	17.1	47.8	47.8	18.4	
1SV20CS047	25	25	15	15	30	13	20	13	15	13	74	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	21.8	28.8	36.8	38.8	46.8	64.1	84.7	68.1	71.9	73.1	
1SV20CS048	11	11	10	10	20	0	7	6	20	20	53	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	6.8	13.8	22.8	36.8	37.8	20.0	40.6	42.2	68.1	59.1	
1SV20CS049	7	7	6	6	12	8	7	0	20	20	55	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	13.8	12.8	11.8	31.8	32.8	40.6	37.6	21.9	58.9	51.3	
1SV20CS050	30	30	13	13	26	20	20	20	20	17	97	2	2	2	2	2	7.4	7.4	7.4	7.4	7.4	29.4	29.4	42.4	42.4	56.4	86.5	86.5	78.5	88.1		
1SV20CS051	15	15	0	0	0	20	0	0	0	0	20	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	26.4	6.4	6.4	6.4	21.4	77.6	18.8	11.9	11.9	33.4	
1SV20CS052	23	23	8	8	16	20	15	15	14	0	64	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	27.8	22.8	30.8	29.8	30.8	81.8	67.1	57.0	55.2	48.1	
1SV20CS053	18	18	13	13	26	20	20	15	20	20	95	2	2	2	2	2	7	7	7	7	7	29	29	37	42	47	85.3	85.3	68.5	77.8	73.4	
1SV20CS054	30	30	12	12	24	20	20	20	20	20	100	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	29.8	29.8	41.8	41.8	59.8	87.6	87.6	77.4	77.4	93.4	
1SV20CS055	25	25	6	6	12	20	20	20	20	13	93	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	28.2	28.2	34.2	34.2	46.2	82.9	82.9	63.3	63.3	72.2	
1SV20CS056	30	30	13	13	26	20	20	20	20	20	100	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	29.8	29.8	42.8	42.8	52.8	87.6	87.6	79.3	79.3	82.5	
1SV20CV001	29	29	15	13	28	3	20	20	20	20	83	2	2	2	2	2	10.8	10.8	10.8	10.8	10.8	15.8	32.8	47.8	45.8	61.8	46.5	96.5	88.5	84.8	96.6	
1SV20CV002	0	0	1	1	2	20	20	20	20	0	80	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	24.8	24.8	25.8	25.8	4.8	72.9	72.9	47.8	47.8	7.5	
1SV20CV003	4	4	3	4	7	10	13	10	10	10	53	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	16.8	19.8	19.8	20.8	20.8	49.4	58.2	36.7	38.5	32.5	
1SV20CV005	13	13	15	6	21	20	20	20	20	20	100	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	26.2	26.2	41.2	32.2	39.2	77.1	77.1	76.3	59.6	61.3	
1SV20CV006	11	11	3	2	5	20	20	0	0	0	60	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	24.8	24.8	27.8	6.8	15.8	72.9	72.9	51.5	12.6	24.7	
1SV20CV007	5	5	10	9	19	0	0	20	20	20	60	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	6.2	6.2	36.2	35.2	31.2	18.2	18.2	67.0	65.2	48.8	
1SV20CV008	9	9	12	12	24	20	20	20	20	20	100	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	26.6	26.6	38.6	38.6	35.6	78.2	78.2	71.5	71.5	55.6	
1SV20CV009	25	25	15	15	30	20	20	0	0	0	60	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	28.4	28.4	23.4	23.4	53.4	83.5	83.5	43.3	43.3	83.4	
1SV20CV010	25	25	15	12	27	20	20	20	20	20	100	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	27.8	27.8	42.8	39.8	52.8	81.8	81.8	79.3	73.7	82.5	
1SV20CV011	0	0	2	1	3	20	20	10	10	20	80	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	24.4	24.4	16.4	15.4	24.4	71.8	71.8	30.4	28.5	38.1	
1SV20CV014	0	0	3	2	5	20	10	10	20	20	80	2	2	2	2	2	0	0	0	0	0	22	12	15	24	22	64.7	35.3	27.8	44.4	34.4	
1SV20CV015	3	3	0	0	0	10	10	20	20	20	80	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	16.2	26.2	26.2	29.2	47.6	47.6	48.5	48.5	45.6	
1SV21CV400	6	6	15	2	17	20	20	20	20	16	96	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	29.2	29.2	44.2	31.2	31.2	85.9	85.9	81.9	57.8	48.6	
1SV20ME001	2	2	2	15	17	20	20	20	20	6	86	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	26.8	26.8	28.8	41.8	14.8	78.8	78.8	53.3	77.4	23.1	
1SV20ME002	13	13	15	15	30	13	20	20	20	20	93	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	22.8	29.8	44.8	44							

1SV21ME400	0	0	10	2	12	.4	5	5	0	0	14	2	2	2	2	2	8.6	8.6	8.6	8.6	8.6	14.6	15.6	25.6	12.6	10.6	42.9	45.9	47.4	23.3	16.6
1SV21ME401	9	9	15	15	30	20	20	20	20	100	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	26.2	26.2	41.2	41.2	35.2	77.1	77.1	76.3	76.3	55.0	
1SV21ME402	3	3	15	1	30	20	13	20	20	20	93	2	2	2	2	7.2	7.2	7.2	7.2	7.2	29.2	22.2	44.2	30.2	32.2	85.9	65.3	81.9	55.9	50.3	
1SV19EE003	21	21	10	5	20	20	20	20	20	100	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	26.2	26.2	36.2	31.2	47.2	77.1	77.1	67.0	57.8	73.8	
1SV19EE018	24	24	15	6	21	20	20	20	20	100	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	26.2	26.2	41.2	32.2	50.2	77.1	77.1	76.3	59.6	78.4	
1SV20EE001	19	19	3	3	6	20	20	20	0	0	60	2	2	2	2	4.2	4.2	4.2	4.2	4.2	26.2	26.2	41.2	32.2	50.2	77.1	77.1	76.3	59.6	78.4	
1SV20EE002	15	15	0	1	1	10	10	10	10	0	40	2	2	2	2	5.2	5.2	5.2	5.2	5.2	17.2	17.2	17.2	18.2	22.2	50.6	50.6	31.9	33.7	34.7	
1SV20EE003	29	29	15	15	30	20	20	20	20	100	2	2	2	2	2	7	7	7	7	7	29	29	44	44	58	85.3	85.3	81.5	81.5	90.6	
1SV20EE004	23	23	5	5	10	10	20	10	10	10	60	2	2	2	2	5.4	5.4	5.4	5.4	5.4	17.4	27.4	22.4	22.4	40.4	51.2	80.6	41.5	41.5	63.1	
1SV20EE006	30	30	15	15	30	20	20	20	20	100	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	26.2	26.2	41.2	41.2	56.2	77.1	77.1	76.3	76.3	87.8	
1SV20EE007	26	26	10	4	14	10	1	2	10	10	33	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	7.2	18.2	20.2	42.2	47.6	21.2	33.7	37.4	65.9	

Total 67.6 66.3 57.6 50.3 51.9


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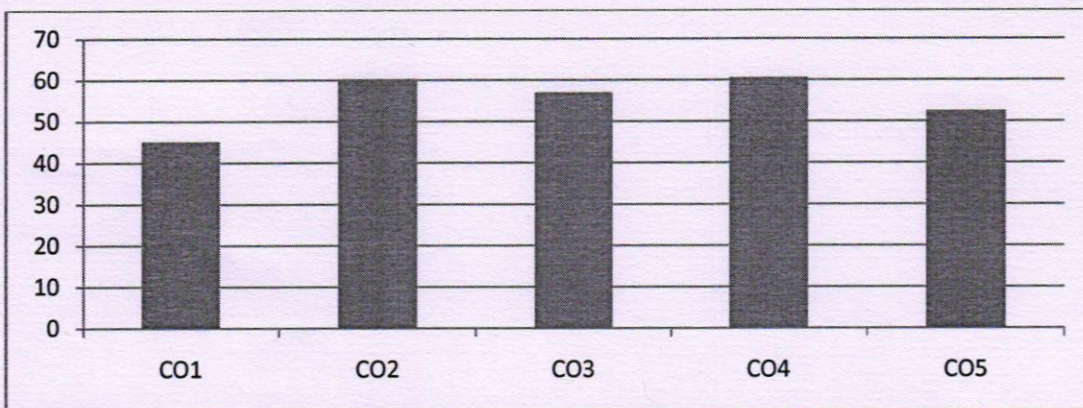

PRINCIPAL
SIET, TUMAKURU.
PRINCIPAL



DEPARTMENT OF MATHEMATICS

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY				
FACULTY NAME	Dr. CHETANA C/Prof. RASHMI S B				
BRANCH	ECE/EEE/CSE/CVE/ISE/ME	ACADEMIC YEAR	2020-21		
COURSE	B.E	SEMESTER	I	SECTION	A,B,C
SUBJECT	CALCULUS AND DIFFERENTIAL EQUATION			SUBJECT CODE	18MAT11
CO PO MAPPING					

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	45	0.90	1.36	0	0	0	0	0	0	0	0	0	0.45
CO2	60	1.21	1.81	0	0	0	0	0	0	0	0	0	0.60
CO3	57	1.14	1.71	0	0	0	0	0	0	0	0	0	0.57
CO4	61	1.21	1.82	0	0	0	0	0	0	0	0	0	0.61
CO5	53	1.05	1.58	0	0	0	0	0	0	0	0	0	0.53
AVG	55	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.10



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 Staff in-charge

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 HOD

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 Principal

Academic year:2020-21				SEM I			TS			117		Subject		CALCULUS & LINEAR ALGEBRA					Subject Code		IBMAT11									
SEM-I	IA TEST (30M)			IA TEST 2(30M)			IA TEST 3(30M)			ASSIGNMENT / QUIZ (10 M)					SEE MARKS(60)					Total Cos ATTAINMENT					% of individual CO					
USN	CO2	CO5	TOTAL	CO2	CO4	TOTAL	CO4	CO3	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1=12	CO2	CO3	CO4	CO5	CO1=14	CO2=44	CO3=29	CO4=44	CO5=29	CO1	CO2	CO3	CO4	CO5	
1SV20CS001	15	6	21	11	4	15	9	7	16	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	9.2	35.2	16.2	23	15.2	65.7	80.0	55.9	52.3	52.4	
1SV20CS002	10	10	20	15	15	30	12	10	22	2	2	2	2	2	8	8	8	8	8	10	35	20	37	20	71.4	79.5	69.0	84.1	69.0	
1SV20CS003	15	15	30	14	15	29	15	15	30	2	2	2	2	2	8	8	8	8	8	10	39	25	41.4	25	71.4	88.6	86.2	94.1	86.2	
1SV20CS004	12	15	27	12	9	21	15	15	30	2	2	2	2	2	9.4	9.4	9.4	9.4	9.4	11.4	35.4	26.4	35.8	26.4	81.4	80.5	91.0	81.4	91.0	
1SV20CS005	15	15	30	15	15	30	15	15	30	2	2	2	2	2	9.8	9.8	9.8	9.8	9.8	11.8	41.8	26.8	37.4	26.8	84.3	95.0	92.4	85.0	92.4	
1SV20CS006	11	12	23	10	10	20	15	10	25	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	7.4	28.4	17.4	31.2	19.4	52.9	64.5	60.0	70.9	66.9	
1SV20CS007	12	11	21	14	14	28	15	15	30	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	6.2	32.2	21.2	38.8	17.2	44.3	73.2	73.1	88.2	59.3	
1SV20CS009	15	15	30	15	15	30	15	15	30	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	9.8	39.8	24.8	39	24.8	70.0	90.5	85.5	88.6	85.5	
1SV20CS010	15	15	30	15	15	30	15	15	30	2	2	2	2	2	7	7	7	7	7	9	39	24	36.4	24	64.3	88.6	82.8	82.7	82.8	
1SV20CS011	5	5	10	4	1	5	17	9	26	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	6.4	15.4	15.4	25.2	11.4	45.7	35.0	53.1	57.3	39.3	
1SV20CS012	15	15	30	14	13	27	14	15	29	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	7.2	36.2	22.2	36.2	22.2	51.4	82.3	76.6	82.3	76.6	
1SV20CS013	12	14	26	10	12	22	13	10	23	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	9.2	31.2	19.2	31.2	23.2	65.7	70.9	66.2	70.9	80.0	
1SV20CS014	15	10	25	11	11	22	12	13	25	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	6.2	32.2	19.2	31.6	16.2	44.3	73.2	66.2	71.8	55.9	
1SV20CS015	11	1	12	15	8	23	15	15	30	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	8.6	34.6	23.6	30.2	9.6	61.4	78.6	81.4	68.6	33.1	
1SV20CS016	15	15	30	15	15	30	15	15	30	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	7.2	37.2	22.2	37	22.2	51.4	84.5	76.6	84.1	76.6	
1SV20CS017	8	8	16	11	7	18	15	15	30	2	2	2	2	2	5	5	5	5	5	7	26	22	30.8	15	50.0	59.1	75.9	70.0	51.7	
1SV20CS018	12	13	25	14	14	28	15	15	30	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	8.8	34.8	23.8	35.2	21.8	62.9	79.1	82.1	80.0	75.2	
1SV20CS019	10	1	11	8	8	16	12	13	25	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	6.2	24.2	19.2	26.8	7.2	44.3	55.0	66.2	60.9	24.8	
1SV20CS020	14	13	27	14	15	29	14	12	26	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	6.8	34.8	18.8	36.6	19.8	48.6	79.1	64.8	83.2	68.3	
1SV20CS022	5	5	10	10	10	20	14	14	28	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	7.6	22.6	21.6	30.8	12.6	54.3	51.4	74.5	70.0	43.4	
1SV20CS023	13	2	20	14	5	19	13	5	18	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	6.8	33.8	11.8	24.2	8.8	48.6	76.8	40.7	55.0	30.3	
1SV20CS024	7	14	21	10	6	16	7	8	15	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	6.2	23.2	14.2	17.2	20.2	44.3	52.7	49.0	39.1	69.7	
1SV20CS025	4	3	7	7	10	17	2	3	5	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	4.2	15.2	7.2	15.6	7.2	30.0	34.5	24.8	35.5	24.8	
1SV20CS026	2	1	3	4	3	7	10	10	20	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	3.6	9.6	13.6	19.6	4.6	25.7	21.8	46.9	44.5	15.9	
1SV20CS027	8	7	15	4	2	6	2	3	5	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	6.6	18.6	9.6	12.4	13.6	47.1	42.3	33.1	28.2	46.9	
1SV20CS028	15	15	30	15	15	30	15	5	20	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	8.4	38.4	13.4	38	23.4	60.0	87.3	46.2	86.4	80.7	
1SV20CS029	11	10	21	14	15	19	15	15	30	2	2	2	2	2	6	6	6	6	6	8	33	23	34.2	18	57.1	75.0	79.3	77.7	62.1	
1SV20CS030	7	4	11	8	7	15	14	7	21	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	4.2	19.2	11.2	29.4	8.2	30.0	43.6	38.6	66.8	28.3	
1SV20CS031	15	15	30	15	15	30	15	15	30	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	8.4	38.4	23.4	36.2	23.4	60.0	87.3	80.7	82.3	80.7	
1SV20CS032	11	12	23	15	10	25	5	7	12	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	6.2	32.2	13.2	23.8	18.2	44.3	73.2	45.5	54.1	62.8	
1SV20CS033	15	15	30	14	13	27	12	12	24	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	8.8	37.8	20.8	35.8	23.8	62.9	85.9	71.7	81.4	82.1	
1SV20CS034	15	14	29	14	15	29	15	15	30	2	2	2	2	2	8.4	8.4	8.4	8.4	8.4	10.4	40.4	25.4	40.6	24.4	74.3	91.8	87.6	92.3	84.1	
1SV20CS035	15	14	29	15	15	30	15	15	30	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	10.8	39.8	25.8	40.4	24.8	77.1	90.5	89.0	91.8	85.5	
1SV20CS036	15	15	30	15	14	29	15	15	30	2	2	2	2	2	8.6	8.6	8.6	8.6	8.6	10.6	40.6	25.6	39.2	25.6	75.7	92.3	88.3	89.1	88.3	
1SV20CS037	15	15	30	15	15	30	15	15	30	2	2	2	2	2	8.2	8.2	8.2	8.2	8.2	10.2	40.2	25.2	36.2	25.2	72.9	91.4	86.9	82.3	86.9	
1SV20CS038	2	0	2	10	8	18	10	10	20	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	6.2	18.2	16.2	24.2	6.2	44.3	41.4	55.9	55.0	21.4	
1SV20CS040	3	0	3	6	2	8	12	13	25	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	6.2	15.2	19.2	18.4	6.2	44.3	34.5	66.2	41.8	21.4	
1SV20CS041	13	12	25	11	12	23	11	11	21	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	4.4	28.4	15.4	32.6	16.4	31.4	64.5	53.1	74.1	56.6	
1SV20CS042	11	9	20	15	10	25	14	15	29	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	9.6	35.6	24.6	26	18.6	68.6	80.9	84.8	59.1	64.1	
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1SV20CS049	11	12	23	8	8	16	5	7	12	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	6.2	25.2	13.2	15.6	18.2	44.3	57.3	45.5	35.5	62.8	
1SV20CS050	14	14	28	15	15	30	15	15	30	2	2	2	2	2	0.6	0.6	0.6	0.6	0.6	2.6	31.6	17.6	36.2	16.6	18.6	44.3	71.8	60.7	82.3	57.2
1SV20CS051	15	11	26	15	15	30	11	3	14	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	6.2	36.2	9.2	31.2	17.2	44.3	82.3	31.7	70.9	59.3	
1SV20CS052	10	6	16	9	9	18	2	3	5	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	5.2	24.2	8.2	17.2	11.2	37.1	55.0	28.3	39.1	38.6	
1SV20CS053	9	10	19	10	9	19	11	10	21	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	6.2	25.2	16.2	31.8	16.2	44.3	57.3	55.9	72.3	55.9	
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1SV20CS055	11	11	22	6																										

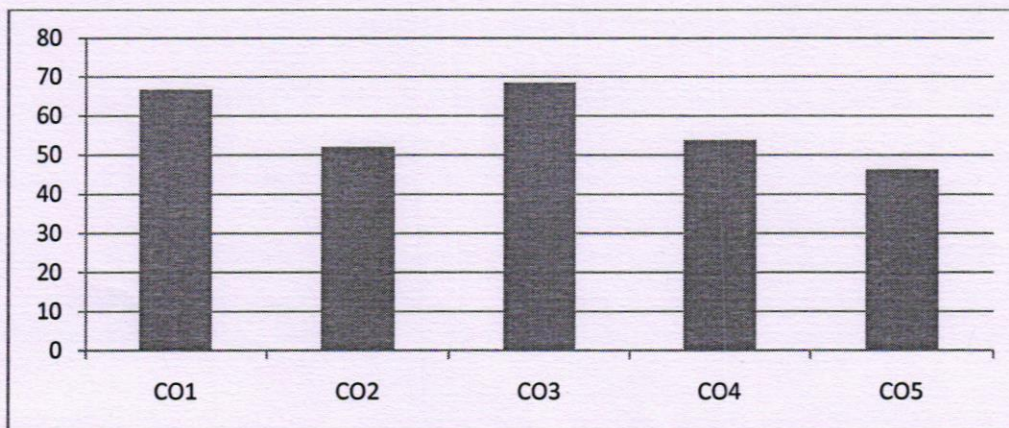
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1SV20IS004	11	12	23	15	14	29	7	8	15	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	5.4	7.4	33.4	15.4	25.4	19.4	52.9	75.9	53.1	57.7	66.9
1SV20IS005	5	4	9	8	7	15	6	6	12	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	2.4	4.4	17.4	10.4	18	8.4	31.4	39.5	35.9	40.9	29.0
1SV20IS006	5	4	9	11	12	23	4	4	8	2	2	2	2	2	3	3	3	3	3	3	5	21	9	20.4	9	35.7	47.7	31.0	46.4	31.0
1SV20IS007	6	5	11	3	2	5	1	2	4	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	2.4	4.4	13.4	6.4	6.2	9.4	31.4	30.5	22.1	14.1	32.4
1SV20IS008	11	2	13	2	3	5	4	3	7	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	1.2	3.2	16.2	6.2	13.2	5.2	22.9	36.8	21.4	30.0	17.9
1SV20IS009	5	6	11	11	11	22	2	4	6	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	4.2	6.2	22.2	10.2	23	12.2	44.3	50.5	35.2	52.3	42.1
1SV20IS010	15	10	25	15	15	30	15	8	23	2	2	2	2	2	8	8	8	8	8	8	10	40	18	36.6	20	71.4	90.9	62.1	83.2	69.0
1SV20IS011	14	3	17	15	14	29	9	9	18	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	4.6	6.6	35.6	15.6	27.2	9.6	47.1	80.9	53.8	61.8	33.1
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1SV20IS013	5	4	9	10	3	13	6	5	11	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	2.2	4.2	19.2	9.2	16.4	8.2	30.0	43.6	31.7	37.3	28.3
1SV20IS014	3	3	6	14	15	19	13	4	17	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	5.4	7.4	24.4	11.4	34.8	10.4	52.9	55.5	39.3	79.1	35.9
1SV20CS020	5	14	19	2	14	16	14	15	29	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	4.8	6.8	13.8	21.8	33	20.8	48.6	31.4	75.2	75.0	71.7
1SV20CS043	14	3	17	10	10	20	14	11	25	2	2	2	2	2	3	3	3	3	3	3	5	29	16	29.2	8	35.7	65.9	55.2	66.4	27.6
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1SV20CS008	11	3	14	5	7	12	15	15	30	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	3.2	5.2	28.2	7.2	27.2	9.2	37.1	64.1	24.8	61.8	31.7
1SV20CV001	10	10	20	15	15	30	15	15	30	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	3.6	5.6	30.6	20.6	33.8	15.6	40.0	69.5	71.0	76.8	53.8
1SV20CV002	13	11	24	1	1	2	4	11	15	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	1.8	3.8	17.8	14.8	9.6	14.8	27.1	40.5	51.0	21.8	51.0
1SV20CV003	1	11	12	15	12	17	11	11	22	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	2.6	4.6	20.6	15.6	25	15.6	32.9	46.8	53.8	56.8	53.8
1SV20CV004	8	8	16	10	10	20	0	0	0	2	2	2	2	2	0	0	0	0	0	0	2	20	2	16.8	10	14.3	45.5	6.9	38.2	34.5
1SV20CV005	4	6	10	8	10	18	8	8	16	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	4.8	6.8	18.8	14.8	22.6	12.8	48.6	42.7	51.0	51.4	44.1
1SV20CV006	3	4	7	1	10	11	4	3	7	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	2.6	4.6	8.6	7.6	19.6	8.6	32.9	19.5	26.2	44.5	29.7
1SV20CV007	9	2	11	15	15	30	15	15	30	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	3.6	5.6	29.6	20.6	34	7.6	40.0	67.3	71.0	77.3	26.2
1SV20CV008	7	12	19	5	5	10	5	11	16	2	2	2	2	2	2	2	2	2	2	2	4	16	15	15.4	16	28.6	36.4	51.7	35.0	55.2
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1SV20CV010	8	7	15	15	15	30	15	15	30	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	3.6	5.6	28.6	20.6	34.8	12.6	40.0	65.0	71.0	79.1	43.4
1SV20CV011	4	5	9	4	2	6	14	9	23	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	2.8	4.8	12.8	13.8	21.4	9.8	34.3	29.1	47.6	48.6	33.8
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1SV20CV015	3	4	7	0	0	0	12	11	23	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	3.4	5.4	19.4	9.4	11.4	9.4	38.6	44.1	32.4	25.9	32.4
1SV19EE003	11	12	23	13	13	26	15	10	25	2	2	2	2	2	3	3	3	3	3	3	5	29	15	31.8	17	35.7	65.9	51.7	72.3	58.6
1SV20EE001	12	2	14	4	1	5	10	5	15	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	1.8	3.8	19.8	8.8	14.8	5.8	27.1	45.0	30.3	33.6	20.0
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1SV20EE004	14	7	21	14	4	18	14	13	27	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	3.2	5.2	33.2	18.2	22.6	12.2	37.1	75.5	62.8	51.4	42.1
1SV20EE005	0	0	0	0	1	1	10	12	22	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	2.6	4.6	4.6	16.6	16.6	4.6	32.9	10.5	57.2	37.7	15.9
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1SV20EE007	4	4	8	7	5	12	10	10	20	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	2.4	4.4	15.4	14.4	20	8.4	31.4	35.0	49.7	45.5	29.0
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1SV20ME003	9	15	26	15	15	30	15	15	30	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	3.6	5.6	29.6	20.6	33.4	20.6	40.0	67.3	71.0	75.9	71.0
1SV20ME004	5	7	12	4	1	5	7	5	12	2	2	2	2	2	1.4	1.4	1.4	1.4	1.4	1.4	3.4	12.4	8.4	11.2	10.4	24.3	28.2	29.0	25.5	35.9
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1SV20ME006	3	6	9	8	5	13	9	9	18	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	2.2	4.2	15.2	13.2	18	10.2	30.0	34.5	45.5	40.9	35.2
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1SV20ME009	15	15	30	14	15	29	15	15	30	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	3.6	5.6	34.6	20.6	38	20.6	40.0	78.6	71.0	86.4	71.0
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1SV20EC003	11	12	23	10	10	20	9	2	11	2	2	2	2	2	3	3	3	3	3	3	5	26	7	22.6	17	35.7	59.1	24.1	51.4	58.6
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1SV20EC006	11	12	23	11	2	13	5	10	15	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	1.6	3.6	25.								



DEPARTMENT OF MATHEMATICS

COLLEGE		SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY			
FACULTY NAME		Dr. CHETANA C/Prof. RASHMI S B			
BRANCH		ECE/EEE/CSE/CVE/ISE/ME	ACADEMIC YEAR		2020-21
COURSE	B.E	SEMESTER		III	SECTION
SUBJECT		TRANSFORM CALCULUS, FOURIER SERIES AND NUMERICAL TECHNIQUES		SUBJECT CODE	18MAT31
CO & PO MAPPING					

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	67	1.33	2.00	0	0	0	0	0	0	0	0	0	0.67
CO2	52	1.04	1.56	0	0	0	0	0	0	0	0	0	0.52
CO3	68	1.37	2.05	0	0	0	0	0	0	0	0	0	0.68
CO4	54	1.08	1.61	0	0	0	0	0	0	0	0	0	0.54
CO5	46	0.93	1.39	0	0	0	0	0	0	0	0	0	0.46
AVG	57	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.33



[Signature]
 Staff in-charge

[Signature]
 HOD

[Signature]
 PRINCIPAL
 SIRA ROAD, TUMKUR.

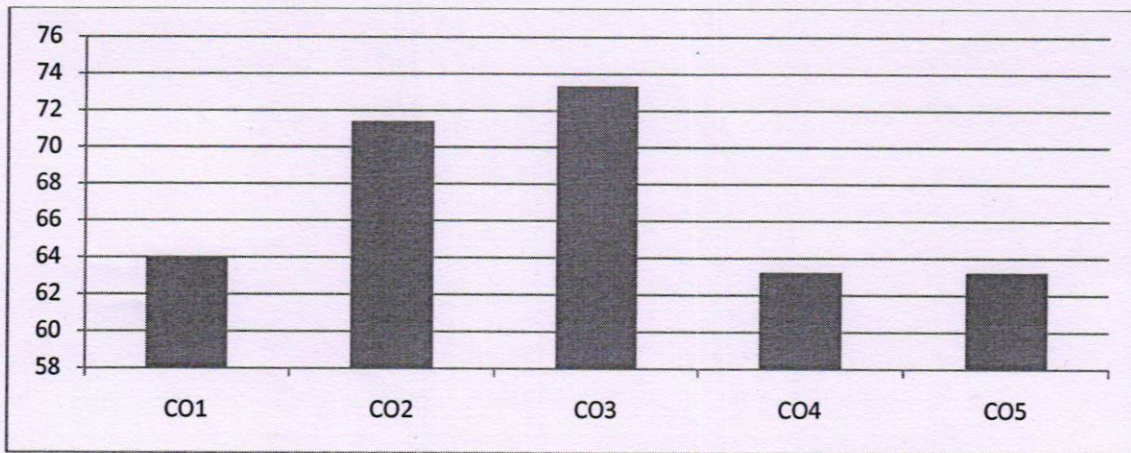
1SV19CS070	15	15	30	15	14	29	20	20	20	20	3	25	83	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	41.8	41.8	40.8	26.8	7	85.3	65.3	83.3	78.8	20.6
1SV19CS071	15	15	30	15	15	30	20	20	20	20	20	30	100	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	41.8	41.8	41.8	26.8	24	85.3	65.3	85.3	78.8	70.6
1SV19CS072	15	15	30	15	15	30	20	17	20	20	20	29	97	2	2	2	2	2	0	0	0	0	0	37	34	37	22	24	75.5	53.1	75.5	64.7	70.6
1SV19CS073	15	15	30	15	15	30	20	20	20	20	0	18	60	2	2	2	2	2	0	0	0	0	0	37	37	37	2	4	75.5	57.8	75.5	5.9	11.8
1SV19CS074	15	13	28	0	0	17	20	20	20	20	10	26	87	2	2	2	2	2	0	0	0	0	0	19	35	22	2	14	38.8	54.7	44.9	64.7	41.2
1SV19CS075	14	15	29	15	15	30	10	20	20	20	13	25	83	2	2	2	2	2	0	0	0	0	0	27	37	37	22	17	55.1	57.8	75.5	64.7	50.0
1SV19CS076	15	15	30	0	0	0	13	20	20	20	20	28	93	2	2	2	2	2	0	0	0	0	0	15	37	22	22	24	30.6	57.8	44.9	64.7	70.6
1SV19CS077	15	15	30	15	15	30	17	20	20	20	10	26	87	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	36.4	39.4	39.4	24.4	14	74.3	61.6	80.4	71.8	41.2
1SV19CS078	14	15	29	15	15	30	20	20	20	20	17	26	87	2	2	2	2	2	0	0	0	0	0	37	37	37	22	21	75.5	57.8	75.5	64.7	61.8
1SV19CS079	11	15	26	15	15	30	13	20	20	20	20	28	93	2	2	2	2	2	3	3	3	3	3	33	40	40	25	24	67.3	62.5	81.6	73.5	70.6
1SV19CS080	15	15	30	15	15	30	20	20	20	20	20	30	100	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	39.8	39.8	39.8	24.8	24	81.2	62.2	81.2	72.9	70.6
1SV19CS081	15	15	30	15	15	30	20	20	20	20	20	30	100	2	2	2	2	2	3	3	3	3	3	40	40	40	25	24	81.6	62.5	81.6	73.5	70.6
1SV19CS082	15	15	30	15	15	30	20	20	20	20	20	30	100	2	2	2	2	2	10.8	10.8	10.8	10.8	10.8	47.8	47.8	47.8	32.8	24	97.6	74.7	97.6	96.5	70.6
1SV19CS083	15	15	30	15	15	30	13	10	10	10	10	16	53	2	2	2	2	2	7	7	7	7	7	37	34	34	19	14	75.5	53.1	69.4	55.9	41.2
1SV19CS084	0	0	0	7	15	22	20	20	20	20	20	30	100	2	2	2	2	2	0	0	0	0	0	29	22	37	22	24	59.2	34.4	75.5	64.7	70.6
1SV19CS085	15	15	30	15	15	30	20	20	20	20	17	29	97	2	2	2	2	2	0	0	0	0	0	37	37	37	22	21	75.5	57.8	75.5	64.7	61.8
1SV19CS086	15	15	30	13	15	28	20	20	20	10	7	23	77	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	41.4	43.4	43.4	18.4	11	84.5	67.8	88.6	54.1	32.4
1SV18CS002	15	15	30	15	15	30	20	20	20	17	29	97	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	39.6	39.6	39.6	24.6	21	80.8	61.9	80.8	72.4	61.8	
1SV18CS006	15	15	30	15	15	30	20	20	20	10	0	21	70	2	2	2	2	2	0	0	0	0	0	37	37	37	12	4	75.5	57.8	75.5	35.3	11.8
1SV18CS009	15	15	30	10	15	25	20	20	20	20	10	27	90	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	33.6	38.6	38.6	23.6	14	68.6	60.3	78.8	69.4	41.2
1SV18CS012	15	15	30	15	15	30	20	20	20	20	7	26	87	2	2	2	2	2	3	3	3	3	3	40	40	40	25	11	81.6	62.5	81.6	73.5	32.4
1SV18CS018	15	15	30	15	15	30	13	20	20	20	20	28	93	2	2	2	2	2	0	0	0	0	0	30	37	37	22	24	61.2	57.8	75.5	64.7	70.6
1SV18CS034	15	15	30	15	15	30	10	10	10	3	0	10	33	2	2	2	2	2	0.6	0.6	0.6	0.6	0.6	27.6	27.6	27.6	5.6	4	56.3	43.1	56.3	16.5	11.8
1SV18CS035	15	15	30	0	0	0	20	20	20	20	3	25	83	2	2	2	2	2	0.6	0.6	0.6	0.6	0.6	22.6	37.6	22.6	22.6	7	46.1	58.8	46.1	66.5	20.6
1SV18CS047	15	13	28	15	15	30	20	17	0	0	17	57	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	39.2	37.2	36.2	4.2	4	80.0	58.1	73.9	12.4	11.8	
1SV19CS400	0	0	0	0	0	0	0	17	20	20	17	57	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	2.4	2.4	19.4	22.4	24	4.9	3.8	39.6	65.9	70.6	
1SV19CS401	0	0	0	0	0	0	20	20	20	20	3	25	83	2	2	2	2	2	3	3	3	3	3	25	25	25	7	51.0	39.1	51.0	73.5	20.6	
1SV19IS001	15	15	30	15	15	30	7	20	20	20	20	26	87	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	28.2	41.2	41.2	26.2	24	57.6	64.4	84.1	77.1	70.6
1SV19IS002	15	15	30	15	15	30	0	20	20	20	20	24	80	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	18.8	38.8	38.8	23.8	24	38.4	60.6	79.2	70.0	70.6
1SV19IS003	15	15	30	15	15	30	0	10	10	20	20	21	70	2	2	2	2	2	0	0	0	0	0	17	27	27	22	24	34.7	42.2	55.1	64.7	70.6
1SV19IS004	15	15	30	15	15	30	13	20	20	20	20	28	93	2	2	2	2	2	0	0	0	0	0	30	37	37	22	24	61.2	57.8	75.5	64.7	70.6
1SV19IS005	15	15	30	15	15	30	20	20	20	20	20	24	80	2	2	2	2	2	3	3	3	3	3	40	40	20	25	24	81.6	62.5	40.8	73.5	70.6
1SV19IS006	15	15	30	15	15	30	20	20	20	20	20	30	100	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	41.6	41.6	26.6	24	84.9	65.0	84.9	78.2	70.6	
1SV19IS007	15	15	30	15	15	30	17	20	20	20	20	26	87	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	38.2	41.2	41.2	26.2	24	78.0	64.4	84.1	77.1	70.6
1SV19IS008	15	15	30	15	15	30	10	10	10	10	7	14	47	2	2	2	2	2	1	1	1	1	1	28	28	28	13	11	57.1	43.8	57.1	38.2	32.4
1SV19IS009	15	15	30	0	0	0	13	20	20	0	0	19	63	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	15.4	37.4	22.4	2.4	4	31.4	58.4	45.7	7.1	11.8
1SV19IS010	15	15	30	15	15	30	20	20	20	20	3	25	83	2	2	2	2	2	2	2	2	2	39	39	39	24	7	79.6	60.9	79.6	70.6	20.6	
1SV19IS011	15	15	30	15	15	30	10	20	20	20	20	27	90	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	32.2	42.2	42.2	27.2	24	65.7	65.9	86.1	80.0	70.6
1SV19IS012	15	15	30	15	15	30	20	20	20	20	20	30	100	2	2	2	2	2	3	3	3	3	3	40	40	40	25	24	81.6	62.5	81.6	73.5	70.6
1SV19IS013	15	15	30	15	15	30	13	20	20	20	20	28	93	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	35.8	42.8	42.8	27.8	24	73.1	66.9	87.3	81.8	70.6
1SV19IS014	15	15	30	15	15	30	20	10	10	10	10	21	70	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	38.8	28.8	28.8	13.8	14	79.2	45.0	58.8	40.6	41.2
1SV19IS015	15	15	30	15	15	30	10	10	10	10	13	16	53	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	31.8	31.8	31.8	16.8	17	64.9	49.7	64.9	49.4	50.0
1SV19IS016	15	15	30	15	15	30	20	20	20	20	20	30	100	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	42.8	42.8	42.8	27.8	24	87.3	66.9	87.3	81.8	70.6
1SV19IS017	15	15	30	15	15	30	20	20	20	20	20	30	100	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	45.8	45.8	45.8	30.8	24	93.5	71.6	93.5	90.6	70.6
1SV19IS018	15	15	30	15	15	30	20	20	20	20	13	28	93	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	38.6	38.6	38.6	23.6	17	78.8	60.3	78.8	69.4	50.0
1SV19IS019	15	15	30	15	15	30	20	20	20	10	0	21	70	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	43.4	43.4	43.4	18.4	4	88.6	67.8	88.6	54.1	11.8
1SV19IS020	15	15	30	15	15	30	20	10	10	10	10	18	60	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	41.2	31.2	31.2	16.2	14	84.1	48.8	63.7	47.6	41.2
1SV19IS021	0	0	0	0	0	0	20	20	20	10	13	25	83	2	2	2	2	2	0	0	0	0	0	22	22	22	12	17	44.9	34.4	44.9	35.3	50.0
1SV19IS022	15																																



DEPARTMENT OF MATHEMATICS

COLLEGE		SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY			
FACULTY NAME		Dr. KISHOR KUMAR M K/Dr. CHETANA C/Prof. RASHMI S B			
BRANCH		ECE/EEE/CSE/CVE/ISE/ME	ACADEMIC YEAR	2020-21	
COURSE	B.E	SEMESTER	II	SECTION	A,B,C
SUBJECT	ADVANCED CALCULUS AND NUMERICAL METHODS			SUBJECT CODE	18MAT21
CO & PO MAPPING					

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	64	1.28	1.92	0	0	0	0	0	0	0	0	0	0.64
CO2	71	1.43	2.14	0	0	0	0	0	0	0	0	0	0.71
CO3	73	1.47	2.20	0	0	0	0	0	0	0	0	0	0.73
CO4	63	1.26	1.90	0	0	0	0	0	0	0	0	0	0.63
CO5	63	1.26	1.90	0	0	0	0	0	0	0	0	0	0.63
AVG	67	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.34



Kishor
 Staff in-charge

Kishor
 HOD

Chetana
 PRINCIPAL
 SIET, TUMKURU.
 Principal

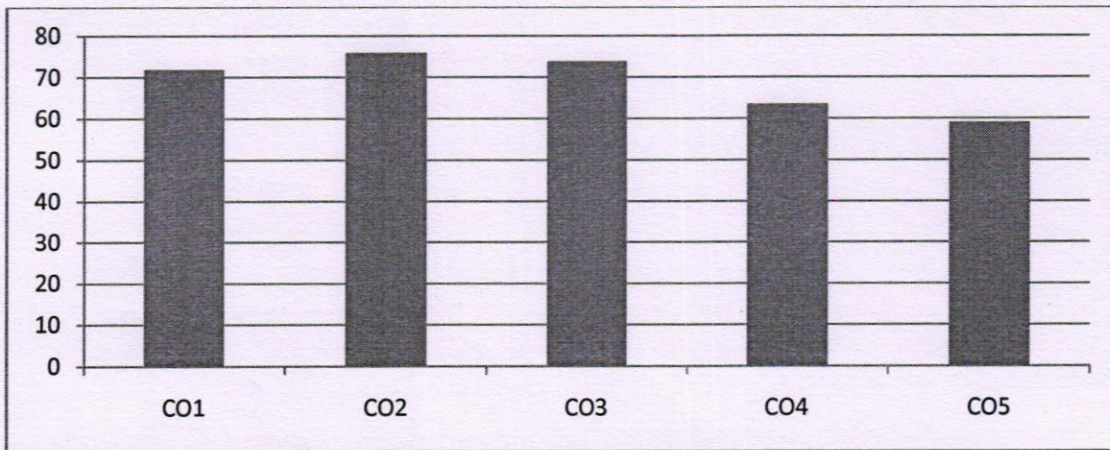
Academic year:2020-21				SEM		II		TS		121		Subject		ADVANCED CALCULUS AND NUMERICAL METHOD		Subject Code		18MAT21															
UNN	IA TEST (40M)			IA TEST 2(40M)			IA TEST 3(100M)					ASSIGNMENT / QUIZ (10M)					SEE MARKS(50)					Total Cos ATTAINMENT					% of individual CO						
	CO2	CO3	TOTAL	CO2	CO1	TOTAL	CO1	CO2	CO3	CO4	CO5	TOTAL(100)	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1-10	CO2	CO3	CO4	CO5	CO1-47	CO2-62	CO3-47	CO4-32	CO5-32	CO1	CO2	CO3	CO4	CO5
15V20CS001	15	15	30	11	11	22	20	20	20	20	100	30	2	2	2	2	2	2	6.0	6	6	6	6.0	39.0	54.0	43.0	28.0	28.0	83.0	87.1	91.5	87.5	87.5
15V20CS002	15	15	30	10	15	25	20	20	20	20	90	27	2	2	2	2	2	2	6.67	6.667	6.667	6.67	6.667	43.7	43.7	43.7	28.7	28.7	92.9	70.4	92.9	89.6	89.6
15V20CS003	15	15	30	15	15	30	20	20	20	20	100	30	2	2	2	2	2	2	6.667	6.667	6.667	6.667	6.667	43.7	58.7	43.7	28.7	28.7	92.9	94.6	92.9	89.6	89.6
15V20CS004	12	14	26	15	15	30	20	20	20	20	100	30	2	2	2	2	2	2	7.8333	7.8333	7.8333	7.8333	7.8333	44.8	56.8	43.8	29.8	29.8	95.4	91.7	93.3	93.2	93.2
15V20CS005	15	14	29	15	15	30	20	20	20	20	100	30	2	2	2	2	2	2	8.1667	8.1667	8.1667	8.1667	8.1667	45.2	60.2	44.2	30.2	30.2	96.1	97.0	94.0	94.3	94.3
15V20CS006	15	15	30	15	15	30	20	20	20	20	100	30	2	2	2	2	2	2	4.5	4.5	4.5	4.5	4.5	41.5	56.5	41.5	26.5	26.5	88.3	91.1	88.3	82.8	82.8
15V20CS007	13	13	26	15	14	29	20	20	20	20	90	27	2	2	2	2	2	2	3.5	3.5	3.5	3.5	3.5	39.5	43.5	38.5	25.5	25.5	84.0	70.2	81.9	79.7	79.7
15V20CS008	15	15	30	15	15	30	20	20	20	20	100	30	2	2	2	2	2	2	6.5	6.5	6.5	6.5	6.5	43.5	58.5	43.5	28.5	28.5	92.6	94.4	92.6	89.1	89.1
15V20CS009	15	15	30	15	15	30	20	20	20	20	100	30	2	2	2	2	2	2	5.8333	5.8333	5.8333	5.8333	5.8333	42.8	57.8	42.8	27.8	20.8	91.1	93.3	91.1	87.0	87.0
15V20CS010	15	15	30	15	14	29	20	20	20	20	100	30	2	2	2	2	2	2	3.6667	3.6667	3.6667	3.6667	3.6667	39.7	55.7	40.7	25.7	25.7	84.4	89.8	86.5	80.2	80.2
15V20CS011	0	0	0	12	11	23	10	10	10	10	53	16	2	2	2	2	2	2	4.3333	4.3333	4.3333	4.3333	4.3333	27.3	28.3	16.3	16.3	19.3	58.2	45.7	34.8	51.0	51.0
15V20CS012	15	15	30	13	13	26	20	20	20	20	100	30	2	2	2	2	2	2	6	6	6	6	6	41.0	56.0	43.0	18.0	18.0	87.2	90.3	91.5	56.3	56.3
15V20CS013	15	15	30	13	10	23	15	15	15	15	70	21	2	2	2	2	2	2	3.5	3.5	3.5	3.5	3.5	30.5	48.5	35.5	20.5	15.5	64.9	78.2	75.5	64.1	64.1
15V20CS014	15	15	30	15	15	30	20	20	20	20	100	30	2	2	2	2	2	2	5.5	5.5	5.5	5.5	5.5	42.5	57.5	42.5	27.5	27.5	90.4	92.7	90.4	85.9	85.9
15V20CS015	14	14	28	15	10	25	20	20	20	20	7	87	26	2	2	2	2	2	4.3333	4.3333	4.3333	4.3333	4.3333	36.3	55.3	55.3	40.3	16.3	77.3	89.2	85.8	51.0	51.0
15V20CS016	15	15	30	15	15	30	20	20	20	20	100	30	2	2	2	2	2	2	4.1667	4.1667	4.1667	4.1667	4.1667	41.2	56.2	41.2	26.2	26.2	87.6	90.6	87.6	81.8	81.8
15V20CS017	15	15	30	13	12	25	20	20	20	20	17	97	29	2	2	2	2	2	5.6667	5.6667	5.6667	5.6667	5.6667	39.7	55.7	42.7	27.7	24.7	84.4	89.8	90.8	86.5	86.5
15V20CS018	13	14	27	11	12	23	20	13	20	20	93	28	2	2	2	2	2	2	3.5	3.5	3.5	3.5	3.5	37.5	42.5	39.5	25.5	25.5	79.8	68.5	84.0	79.7	79.7
15V20CS019	15	15	30	14	12	26	10	7	0	0	17	5	2	2	2	2	2	2	4	4	4	4	4	28.0	42.0	21.0	6.0	6.0	59.6	67.7	44.7	18.8	18.8
15V20CS020	15	15	30	10	15	25	10	10	20	20	3	63	19	2	2	2	2	2	4.6667	4.6667	4.6667	4.6667	4.6667	31.7	41.7	41.7	26.7	9.7	67.4	67.2	88.7	83.3	83.3
15V20CS021	15	15	30	15	10	25	10	10	20	20	7	67	20	2	2	2	2	2	4	4	4	4	4	26.0	46.0	41.0	26.0	13.0	55.3	74.2	87.2	81.3	81.3
15V20CS022	12	13	25	12	12	24	20	10	10	10	13	73	22	2	2	2	2	2	3.5	3.5	3.5	3.5	3.5	37.5	39.5	38.5	15.5	18.5	79.8	63.7	81.9	48.4	48.4
15V20CS023	13	12	25	15	11	26	20	10	20	10	17	77	23	2	2	2	2	2	1.8333	1.8333	1.8333	1.8333	1.8333	34.8	41.8	35.8	13.8	20.8	74.1	67.5	76.2	43.2	43.2
15V20CS024	15	10	25	12	11	23	20	20	20	20	100	30	2	2	2	2	2	2	3.8333	3.8333	3.8333	3.8333	3.8333	15.8	32.8	19.8	5.8	5.8	33.7	53.0	42.2	18.2	18.2
15V20CS025	12	14	26	15	10	25	0	0	0	0	0	0	0	2	2	2	2	2	3.3333	3.3333	3.3333	3.3333	3.3333	34.3	50.3	33.3	23.3	23.3	73.0	81.2	70.9	72.9	72.9
15V20CS026	4	10	14	0	0	0	20	20	20	20	20	100	30	2	2	2	2	2	3.8333	3.8333	3.8333	3.8333	3.8333	15.8	32.8	19.8	5.8	5.8	33.7	53.0	42.2	18.2	18.2
15V20CS027	10	10	20	15	5	20	20	20	20	20	0	80	24	2	2	2	2	2	5	5	5	5	5	32.0	52.0	37.0	27.0	7.0	68.1	83.9	78.7	84.4	84.4
15V20CS028	15	15	30	15	15	30	20	20	20	20	20	100	30	2	2	2	2	2	1.8333	1.8333	1.8333	1.8333	1.8333	38.8	53.8	38.8	23.8	23.8	82.6	86.8	82.6	74.5	74.5
15V20CS029	15	15	30	12	13	25	20	20	20	20	13	93	28	2	2	2	2	2	5.3333	5.3333	5.3333	5.3333	5.3333	40.3	54.3	42.3	27.3	20.3	85.8	87.6	90.1	85.4	85.4
15V20CS030	15	15	30	9	11	20	3	10	20	20	20	73	22	2	2	2	2	2	3.5	3.5	3.5	3.5	3.5	19.5	39.5	40.5	25.5	25.5	41.5	63.7	86.2	79.7	79.7
15V20CS031	10	13	23	15	15	30	20	20	20	20	100	30	2	2	2	2	2	2	5.6667	5.6667	5.6667	5.6667	5.6667	42.7	52.7	40.7	27.7	27.7	90.8	84.9	86.5	86.5	86.5
15V20CS032	15	15	30	10	9	19	10	10	10	10	0	40	12	2	2	2	2	2	7.3333	7.3333	7.3333	7.3333	7.3333	28.3	44.3	34.3	19.3	9.3	60.3	71.5	73.0	60.4	60.4
15V20CS033	10	15	25	14	13	27	7	20	20	20	87	26	2	2	2	2	2	2	7	7	7	7	7	29.0	53.0	44.0	29.0	29.0	61.7	85.5	93.6	90.6	90.6
15V20CS034	15	15	30	15	15	30	20	20	20	20	20	100	30	2	2	2	2	2	7.1667	7.1667	7.1667	7.1667	7.1667	44.2	59.2	44.2	29.2	29.2	94.0	95.4	91.1	91.1	91.1
15V20CS035	14	14	28	13	13	26	20	20	20	20	20	100	30	2	2	2	2	2	6.8333	6.8333	6.8333	6.8333	6.8333	41.8	55.8	42.8	28.8	28.8	89.0	90.1	91.1	90.1	90.1
15V20CS036	15	15	30	11	11	22	10	20	20	10	7	67	20	2	2	2	2	2	3.5	3.5	3.5	3.5	3.5	26.5	51.5	40.5	15.5	12.5	56.4	83.1	86.2	48.4	48.4
15V20CS037	15	14	29	15	15	30	17	20	20	20	20	97	29	2	2	2	2	2	3.5	3.5	3.5	3.5	3.5	37.5	55.5	39.5	25.5	25.5	79.8	89.5	84.0	79.7	79.7
15V20CS038	15	15	30	15	15	30	20	20	20	20	10	90	27	2	2	2	2	2	2	2	2	2	2	39.0	54.0	39.0	24.0	14.0	83.0	87.1	83.0	75.0	75.0
15V20CS039	15	15	30	10	13	23	20	20	20	20	20	100	30	2	2	2	2	2	6.3333	6.3333	6.3333	6.3333	6.3333	41.3	53.3	43.3	28.3	28.3	87.9	86.0	92.2	88.5	88.5
15V20CS040	15	15	30	10	10	20	0	0	0	0	0	0	0	2	2	2	2	2	0	0	0	0	0	12.0	27.0	17.0	2.0	2.0	25.5	43.5	36.2	6.3	6.3
15V20CS041	12	14	26	15	14	29	20	20	20	3	63	19	2	2	2	2	2	2	4.6667	4.6667	4.6667	4.6667	4.6667	40.7	53.7	40.7	9.7	6.7	86.5	86.6	86.5	30.2	30.2
15V20CS042	15	15	30	11	11	22	0	7	20	20	67	20	2	2	2	2	2	2	4.5	4.5	4.5	4.5	4.5	17.5	39.5	41.5	26.5	26.5	37.2	63.7	88.3	82.8	82.8
15V20CS043	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	7.3333	7.3333	7.3333	7.3333	7.3333	9.3	9.3	9.3	9.3	9.3					

1SV20IS011	14	12	26	14	14	28	20	20	20	20	20	100	30	2	2	2	2	2	2	4.5	4.5	4.5	4.5	4.5	40.5	54.5	38.5	26.5	26.5	86.2	87.9	81.9	82.8	82.8	
1SV20IS012	14	14	28	4	13	17	7	5	5	5	5	27	8	2	2	2	2	2	2	4	4	4	4	4	26.0	29.0	25.0	11.0	11.0	55.3	46.8	53.2	34.4	34.4	
1SV20IS013	15	15	30	10	1	11	10	10	10	10	10	50	15	2	2	2	2	2	2	2.5	2.5	2.5	2.5	2.5	15.5	39.5	29.5	14.5	14.5	33.0	63.7	62.8	45.3	45.3	
1SV20CS020	15	15	30	10	15	25	0	20	20	20	20	80	24	2	2	2	2	2	2	2.6667	2.6667	2.6667	2.6667	2.6667	19.7	49.7	39.7	24.7	24.7	41.8	80.1	84.4	75.1	77.1	
1SV20CS043	15	15	30	10	10	20	3	20	20	10	20	73	22	2	2	2	2	2	2	0	0	0	0	0	15.0	47.0	37.0	12.0	22.0	31.9	75.8	78.7	37.5	37.5	
1SV20CS039	15	15	30	14	12	26	20	20	20	20	13	93	28	2	2	2	2	2	2	0	0	0	0	0	34.0	51.0	37.0	22.0	15.0	72.3	82.3	78.7	68.8	68.8	
1SV20CS008	15	15	30	15	15	30	20	20	20	20	20	100	30	2	2	2	2	2	2	0	0	0	0	0	37.0	52.0	37.0	22.0	22.0	78.7	87.9	78.7	68.8	68.8	
1SV20CV001	14	14	28	13	13	26	20	20	20	20	20	100	30	2	2	2	2	2	2	0	0	0	0	0	37.0	52.0	37.0	22.0	22.0	78.7	87.9	78.7	68.8	68.8	
1SV20CV002	15	15	30	4	10	14	10	10	20	10	10	60	18	2	2	2	2	2	2	3.5	3.5	3.5	3.5	3.5	25.5	34.5	40.5	15.5	15.5	54.3	55.6	86.2	48.4	48.4	
1SV20CV003	10	10	20	15	14	19	0	0	0	0	0	0	0	2	2	2	2	2	2	5.8333	5.8333	5.8333	5.8333	5.8333	21.8	32.8	17.8	7.8	7.8	46.5	53.0	37.9	24.5	24.5	
1SV20CV004	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	4	4	4	4	4	6.0	6.0	6.0	6.0	6.0	12.8	9.7	12.8	18.8	18.8	
1SV20CV005	15	14	29	15	14	29	10	10	20	20	10	70	21	2	2	2	2	2	2	4	4	4	4	4	30.0	46.0	40.0	26.0	16.0	63.8	74.2	85.1	81.3	81.3	
1SV20CV006	2	3	5	2	10	12	20	20	20	20	20	100	30	2	2	2	2	2	2	2.5	2.5	2.5	2.5	2.5	34.5	28.5	27.5	24.5	24.5	73.4	46.0	58.5	76.6	76.6	
1SV20CV007	0	0	0	15	15	30	10	10	5	5	3	33	10	2	2	2	2	2	2	7.6667	7.6667	7.6667	7.6667	7.6667	34.7	34.7	14.7	14.7	73.8	55.9	31.2	45.8	45.8		
1SV20CV008	13	15	28	10	5	15	20	20	20	20	3	83	25	2	2	2	2	2	2	2.3333	2.3333	2.3333	2.3333	2.3333	29.3	47.3	39.3	24.3	7.3	62.4	76.3	83.7	76.0	76.0	
1SV20CV009	15	15	30	14	12	26	20	20	20	20	10	90	27	2	2	2	2	2	2	4	4	4	4	4	38.0	55.0	41.0	26.0	16.0	80.9	88.7	87.2	81.3	81.3	
1SV20CV010	12	15	27	12	13	25	17	20	20	20	20	97	29	2	2	2	2	2	2	5.3333	5.3333	5.3333	5.3333	5.3333	37.3	51.3	42.3	27.3	27.3	79.4	82.8	90.1	85.4	85.4	
1SV20CV011	15	15	30	0	15	15	20	20	20	10	7	77	23	2	2	2	2	2	2	4	4	4	4	4	41.0	41.0	41.0	16.0	13.0	87.2	66.1	87.2	50.0	50.0	
1SV20CV014	15	15	30	1	14	15	0	0	3	5	5	13	4	2	2	2	2	2	2	1.3333	1.3333	1.3333	1.3333	1.3333	17.3	19.3	21.3	8.3	8.3	36.9	31.2	45.4	26.0	26.0	
1SV20CV015	10	15	25	4	3	7	5	5	10	10	3	33	10	2	2	2	2	2	2	2.8333	2.8333	2.8333	2.8333	2.8333	12.8	23.8	29.8	14.8	7.8	27.3	38.4	63.5	46.4	46.4	
1SV19EE003	15	15	30	10	15	25	17	20	20	20	20	97	29	2	2	2	2	2	2	5	5	5	5	5	39.0	52.0	42.0	27.0	27.0	83.0	83.9	89.4	84.4	84.4	
1SV20EE001	15	12	27	15	11	26	10	10	10	10	7	47	14	2	2	2	2	2	2	1.5	1.5	1.5	1.5	1.5	24.5	43.5	25.5	13.5	10.5	52.1	70.2	54.3	42.2	42.2	
1SV20EE002	15	15	30	5	14	19	7	20	20	20	20	87	26	2	2	2	2	2	2	3	3	3	3	3	26.0	45.0	40.0	25.0	25.0	55.3	72.6	85.1	78.1	78.1	
1SV20EE003	15	15	30	15	10	25	3	20	20	20	20	83	25	2	2	2	2	2	2	6.5	6.5	6.5	6.5	6.5	21.5	58.5	43.5	28.5	28.5	45.7	94.4	92.6	89.1	89.1	
1SV20EE004	15	15	30	10	13	23	3	20	20	20	20	83	25	2	2	2	2	2	2	3.8333	3.8333	3.8333	3.8333	3.8333	21.8	50.8	40.8	25.8	25.8	46.5	82.0	86.9	80.7	80.7	
1SV20EE005	10	10	20	10	12	22	0	0	0	0	0	0	0	2	2	2	2	2	2	1	1	1	1	1	15.0	23.0	13.0	3.0	3.0	31.9	37.1	27.7	9.4	9.4	
1SV20EE006	15	15	30	15	10	25	7	20	20	20	20	67	20	2	2	2	2	2	2	7	7	7	7	7	26.0	59.0	44.0	29.0	19.0	55.3	95.2	93.6	90.6	90.6	
1SV20EE007	15	15	30	5	10	15	10	10	10	17	57	17	2	2	2	2	2	2	2	1.5	1.5	1.5	1.5	1.5	23.5	33.5	28.5	13.5	20.5	50.0	54.0	60.6	42.2	42.2	
1SV20ME001	15	15	30	12	10	22	3	20	20	20	20	83	25	2	2	2	2	2	2	3.5	3.5	3.5	3.5	3.5	18.5	52.5	40.5	25.5	25.5	39.4	84.7	86.2	79.7	79.7	
1SV20ME002	15	15	30	10	14	24	0	0	3	0	0	3	1	2	2	2	2	2	2	5.5	5.5	5.5	5.5	5.5	21.5	32.5	25.5	7.5	7.5	45.7	52.4	54.3	23.4	23.4	
1SV20ME003	15	15	30	15	10	25	20	20	20	20	100	30	2	2	2	2	2	2	2	5	5	5	5	5	37.0	57.0	42.0	27.0	27.0	78.7	91.9	89.4	84.4	84.4	
1SV20ME004	15	15	30	4	4	8	3	5	5	5	5	23	7	2	2	2	2	2	2	1.5	1.5	1.5	1.5	1.5	10.5	27.5	23.5	8.5	8.5	22.3	44.4	50.0	26.6	26.6	
1SV20ME005	15	15	30	1	10	11	2	2	2	0	1	7	2	2	2	2	2	2	2	1.1667	1.1667	1.1667	1.1667	1.1667	15.2	21.2	20.2	3.2	4.2	32.3	34.1	42.9	9.9	9.9	
1SV20ME006	15	15	30	10	12	22	10	10	7	10	10	47	14	2	2	2	2	2	2	2.5	2.5	2.5	2.5	2.5	26.5	39.5	26.5	14.5	14.5	56.4	63.7	56.4	45.3	45.3	
1SV20ME007	14	15	29	10	13	23	5	5	5	5	7	27	8	2	2	2	2	2	2	3.5	3.5	3.5	3.5	3.5	23.5	34.5	25.5	10.5	12.5	50.0	55.6	54.3	32.8	32.8	
1SV20ME008	15	15	30	10	15	25	20	20	20	20	3	83	25	2	2	2	2	2	2	5.17	5.1667	5.1667	5.1667	5.1667	42.2	52.2	42.2	27.2	10.2	89.7	84.1	89.7	84.9	84.9	
1SV20ME009	15	15	30	10	15	25	17	20	20	20	20	97	29	2	2	2	2	2	2	6.3333	6.3333	6.3333	6.3333	6.3333	40.3	53.3	43.3	28.3	28.3	85.8	86.0	92.2	88.5	88.5	
1SV20EC001	15	10	25	15	14	29	20	20	20	20	20	100	30	2	2	2	2	2	2	5	5	5	5	5	41.0	57.0	37.0	27.0	27.0	87.2	91.9	78.7	84.4	84.4	
1SV20EC002	15	15	30	10	12	22	20	20	20	0	7	67	20	2	2	2	2	2	2	2.1667	2.1667	2.1667	2.1667	2.1667	36.2	49.2	39.2	4.2	11.2	77.0	79.3	83.3	13.0	13.0	
1SV20EC003	15	15	30	10	10	20	0	20	20	20	3	63	19	2	2	2	2	2	2	2.5	2.5	2.5	2.5	2.5	34.5	29.5	39.5	24.5	7.5	73.4	47.6	84.0	76.6	76.6	
1SV20EC004	10	8	18	10	3	13	20	20	0	20	7	67	20	2	2	2	2	2	2	1.3333	1.3333	1.3333	1.3333	1.3333	26.3	43.3	11.3	23.3	10.3	56.0	69.9	24.1	72.9	72.9	
1SV20EC005	15	15	30	10	4	14	20	20	20	20	3	83	25	2	2	2	2	2	2	1	1	1	1	1	27.0	48.0	38.0	23.0	6.0	57.4	77.4	80.9	71.9	71.9	
1SV20EC006	10	16	26	10	10	20	20	20	20	20	7	87	26	2	2	2	2	2	2	2	2.5	2.5	2.5	2.5	2.5	36.5	52.5	37.5	24.5	11.5	77.7	84.7	79.8	76.6	76.6
1SV20EC007	14	13	27	14	12	26	20	20	20	20	7	87	26	2	2	2	2	2	2	1.3333	1.3333	1.3333	1.3333	1.3333	33.3	43.3	39.3	23.3	10.3	70.9	69.9	83.7	72.9	72.9	
1SV20EC008	15	15	30	14	15	29	20	20	20	20	100	30	2	2	2	2	2	2	2	3.5	3.5	3.5	3.5	3.5	40.5	54.5	40.5	25.5	25.5	86.2	87.9	86.2	79.7	79.7	
1SV20EC009	15	14	29	12	10	22	3																												

DEPARTMENT OF MATHEMATICS

COLLEGE		SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY			
FACULTY NAME		Dr. KISHOR KUMAR M K/Dr. CHETANA C/Prof. RASHMI S B			
BRANCH		ECE/EEE/CSE/CVE/ISE/ ME	ACADEMIC YEAR	2020-21	
COURSE	B.E	SEMESTER	IV	SECTION	-
SUBJECT	COMPLEX ANALYSIS, PROBABILITY AND STATISTICAL METHODS			SUBJECT CODE	18MAT41
CO & PO MAPPING					

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	72	1.44	2.16	0	0	0	0	0	0	0	0	0	0.72
CO2	76	1.52	2.28	0	0	0	0	0	0	0	0	0	0.76
CO3	74	1.48	2.22	0	0	0	0	0	0	0	0	0	0.74
CO4	64	1.27	1.91	0	0	0	0	0	0	0	0	0	0.64
CO5	59	1.18	1.77	0	0	0	0	0	0	0	0	0	0.59
AVG	69	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.33



[Signature]
Staff in-charge

[Signature]
HOD

[Signature]
PRINCIPAL
SIET, TUMAKURU
Principal

Academic year:2020-21		SEM IV										COMPLEX ANALYSIS,PROBABILITY AND STATISTICAL										Subject Code					18MAT41					% of individual CO				
USN	CO2	CO3	IA TEST 2(40M)			IA TEST 3(100M)				ASSIGNMENT / QUIZ (10M)					SEE MARKS(50)					Total Cos ATTAINMENT																
			CO2	CO1	TOTAL	CO1	CO2	CO3	CO4	CO5	TOTAL (100)	TOTAL (30)	CO1	CO2	CO3	CO4	CO5	CO1=10	CO2	CO3	CO4	CO5	CO1= 47	CO2= 62	CO3= 47	CO4= 32	CO5= 32	CO1	CO2	CO3	CO4	CO5				
1SV19CS001	15	14	29	10	5	15	17	20	20	20	20	97	29	2	2	2	2	2	5	5	5	5	5	29	52	41	27	27	61.7	83.9	87.2	84.4	84.4			
1SV19CS003	15	15	30	10	15	25	17	20	20	20	20	97	29	2	2	2	2	2	0	0	0	0	0	34	47	37	22	22	72.3	75.8	78.7	68.8	68.8			
1SV19CS004	15	15	30	15	10	25	10	20	20	20	10	7	67	20	2	2	2	2	3.6	3.6	3.6	3.6	3.6	25.6	55.6	40.6	15.6	12.6	54.5	89.7	86.4	48.8	39.4			
1SV19CS005	14	15	29	14	14	28	20	20	20	20	0	80	24	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	39.6	53.6	40.6	25.6	5.6	84.3	86.5	86.4	80.0	17.5			
1SV19CS006	13	13	26	5	15	20	20	20	20	20	10	90	27	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	42.2	45.2	40.2	27.2	17.2	89.8	76.9	85.5	85.0	53.8			
1SV19CS007	15	15	30	15	11	26	20	20	20	20	10	3	73	22	2	2	2	2	5.2	5.2	5.2	5.2	5.2	38.2	57.2	42.2	17.2	10.2	81.3	92.3	89.8	53.8	31.9			
1SV19CS008	15	15	30	11	11	22	20	20	20	20	20	100	30	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	39.2	54.2	43.2	28.2	28.2	83.4	87.4	91.9	88.1	88.1			
1SV19CS009	14	13	27	5	10	15	7	10	10	10	0	37	11	2	2	2	2	2	3	3	3	3	3	22	34	28	15	5	46.8	54.8	59.6	46.9	15.6			
1SV19CS011	15	15	30	7	8	15	20	20	20	20	0	80	24	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	34.4	48.4	41.4	26.4	6.4	73.2	78.1	88.1	82.5	20.0			
1SV19CS013	15	15	30	15	15	30	20	20	20	20	20	100	30	2	2	2	2	2	5	5	5	5	5	42	57	42	27	27	89.4	91.9	89.4	84.4	84.4			
1SV19CS014	14	15	29	10	14	24	10	10	10	10	7	57	17	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	48	30.8	40.8	31.8	16.8	13.8	65.5	65.8	67.7	52.5	43.1		
1SV19CS015	15	15	30	15	13	28	20	20	20	20	20	100	30	2	2	2	2	2	6	6	6	6	6	41	58	43	28	28	87.2	93.5	91.5	87.5	87.5			
1SV19CS016	13	12	25	14	10	24	20	20	20	20	10	0	70	21	2	2	2	2	5.4	5.4	5.4	5.4	5.4	37.4	54.4	39.4	17.4	7.4	79.6	87.7	83.8	54.4	23.1			
1SV19CS017	12	8	20	0	0	0	10	10	10	10	3	43	13	2	2	2	2	2	2	2	2	2	14	26	22	14	7	29.8	41.9	47.9	43.8	21.9				
1SV19CS018	15	14	29	15	10	25	20	20	20	20	13	93	28	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	37.8	57.8	41.8	27.8	20.8	80.4	93.2	88.9	86.9	65.0			
1SV19CS019	15	15	30	0	15	15	10	10	10	10	3	43	13	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	28.6	28.6	28.6	13.6	6.6	60.9	46.1	60.9	42.5	20.6			
1SV19CS020	14	15	29	13	10	23	20	20	20	20	3	83	25	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	37.8	54.8	42.8	27.8	10.8	80.4	88.4	91.1	86.9	33.8			
1SV19CS021	14	15	29	11	11	22	20	20	20	20	20	100	30	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	39.6	53.6	43.6	28.6	28.6	84.3	86.5	92.8	89.4	89.4			
1SV19CS022	15	12	27	12	13	25	20	20	20	20	20	100	30	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	40.2	54.2	39.2	27.2	27.2	85.5	87.4	83.4	85.0	85.0			
1SV19CS023	15	15	30	5	15	20	20	20	20	20	7	87	26	2	2	2	2	2	2	2	2	2	39	44	39	24	11	83.0	71.0	83.0	75.0	34.4				
1SV19CS024	0	0	0	10	10	20	20	20	20	10	17	77	23	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	33.2	33.2	13.2	20.2	70.6	53.5	28.1	41.3	63.1				
1SV19CS025	15	15	30	10	14	24	20	20	20	20	17	97	29	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	41.6	52.6	42.6	27.6	24.6	88.5	84.8	90.6	86.3	76.9			
1SV19CS026	6	10	16	5	27	11	0	3	10	10	10	33	10	2	2	2	2	2	0.8	0.8	0.8	0.8	0.8	29.8	16.8	22.8	12.8	12.8	63.4	27.1	48.5	40.0	40.0			
1SV19CS027	12	14	26	11	15	26	20	20	20	20	0	100	30	2	2	2	2	2	6	6	6	6	6	43	51	42	28	8	91.5	82.3	89.4	87.5	25.0			
1SV19CS028	15	15	30	10	10	20	10	10	10	10	3	43	13	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	26.8	41.8	31.8	16.8	9.8	57.0	67.4	67.7	52.5	30.6			
1SV19CS029	15	15	30	9	15	24	13	10	10	10	10	53	16	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	34.6	40.6	31.6	16.6	16.6	73.6	65.5	67.2	51.9	51.9			
1SV19CS030	14	12	26	12	13	25	20	20	20	20	20	100	30	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	41.4	54.4	40.4	28.4	28.4	88.1	87.7	86.0	88.8	88.8			
1SV19CS031	15	15	30	2	13	15	20	20	20	20	0	80	24	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	37.8	41.8	39.8	24.8	4.8	80.4	67.4	84.7	77.5	15.0			
1SV19CS032	15	15	30	10	14	24	20	20	20	20	10	90	27	2	2	2	2	2	6	6	6	6	6	42	53	43	28	18	89.4	85.5	91.5	87.5	56.3			
1SV19CS033	15	15	30	1	14	15	20	20	20	10	3	73	22	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	40.2	42.2	41.2	16.2	9.2	85.5	68.1	87.7	80.6	28.8			
1SV19CS034	15	15	30	15	13	28	20	20	20	20	20	100	30	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	41.8	58.8	43.8	28.8	28.8	88.9	94.8	93.2	90.0	90.0			
1SV19CS035	15	15	30	14	14	28	20	20	20	20	7	87	26	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	40.8	55.8	41.8	26.8	13.8	86.8	90.0	88.8	83.8	43.1			
1SV19CS036	15	15	30	10	5	15	20	20	20	0	0	60	18	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	30.4	50.4	40.4	5.4	5.4	64.7	81.3	86.0	16.9	16.9			
1SV19CS037	13	13	26	10	15	25	20	20	20	20	20	100	30	2	2	2	2	2	6	6	6	6	6	43	51	41	28	28	91.5	82.3	87.2	87.5	87.5			
1SV19CS038	15	15	30	0	0	0	20	20	20	20	7	87	26	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	27.2	42.2	42.2	27.2	14.2	57.9	68.1	89.8	85.0	44.4			
1SV19CS040	14	15	29	14	14	28	20	20	20	20	20	100	30	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	42.8	56.8	43.8	28.8	28.8	91.1	91.6	93.2	90.0	90.0			
1SV19CS041	15	15	30	10	5	15	20	20	20	20	17	97	29	2	2	2	2	2	5	5	5	5	5	32	52	42	27	24	68.1	83.9	89.4	84.4	75.0			
1SV19CS042	10	13	23	10	15	25	20	20	20	20	7	87	26	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	41.6	46.6	39.6	26.6	13.6	88.5	75.2	84.3	83.1	42.5			
1SV19CS043	9	12	21	14	14	28	20	20	20	20	0	80	24	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	40.4	57.4	42.4	27.4	27.4	86.0	92.6	90.2	85.6	85.6			
1SV19CS044	15	15	30	15	13	28	20	20	20	20	20	100	30	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	21.8	35.8	18.8	7.8	7.8	46.4	57.7	40.0	24.4	24.4			
1SV19CS045	15	11	26	13	14	27	0	0	0	0	0	0	0	0	2	2	2	2	5.2	5.2	5.2	5.2	5.2	40.2	52.2	41.2	17.2	10.2	85.5	84.2	87.7	53.8	31.9			
1SV19CS046	12	14	26	13	13	26	20	20	20	10	3	73	22	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	41.6	57.6	42.6	27.6	27.6	88.5	92.9	90.6	86.3	86.3			
1SV19CS047	15	15	30	15	14	29	20	20	20	20	20	100	30	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	40.6	54.6	40.6	27.6	27.6	86.4	88.1	86.4	86.3	86.3			
1SV19CS048	13	13	26	14	13	27	20	20	20	20	20	100	30	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	43.2	58.2	43.2	28.2	28.2	91.9	93.9	91.9	88.1	88.1			
1SV19CS050	15	15	30	15	15	30	20	20	20	20	20	100	30	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	43.2	58.2	43.2	28.2	28.2	91.9	93.9	91.9	88.1	88.1			
1SV19CS051	1																																			

1SV19ME001	15	14	29	15	10	25	20	13	20	20	20	93	28	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	37.6	50.6	41.6	27.6	27.6	80.0	81.6	88.5	86.3	86.3	
1SV19ME002	15	14	29	15	10	25	20	20	20	20	20	100	30	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	37.2	57.2	41.2	27.2	27.2	79.1	92.3	87.7	85.0	85.0	
1SV19ME004	15	10	25	13	11	24	20	20	20	20	13	93	28	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	36.8	53.8	35.8	25.8	18.8	78.3	86.8	76.2	80.6	58.8	
1SV19ME005	15	15	30	15	5	20	20	17	10	10	10	67	20	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	31.6	53.6	31.6	16.6	16.6	67.2	86.5	67.2	51.9	51.9	
1SV19ME006	15	13	28	14	10	24	20	20	20	20	20	100	30	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	37.8	56.8	40.8	27.8	27.8	80.4	91.6	86.8	86.9	86.9	
1SV19ME010	15	13	28	14	13	27	20	20	20	7	0	67	20	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	39.6	55.6	39.6	13.6	6.6	84.3	89.7	84.3	42.5	20.6	
1SV19ME011	15	12	27	0	0	0	20	20	20	20	7	87	26	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	22	37	34	22	9	46.8	59.7	72.3	68.8	28.1	
1SV19ME013	15	13	28	15	5	20	0	0	20	20	20	60	18	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	11.6	36.6	39.6	26.6	26.6	24.7	59.0	84.3	83.1	83.1	
1SV19ME015	15	13	28	12	7	19	0	0	3	0	0	3	1	2	2	2	2	2	0	0	0	0	0	9	29	18	2	2	19.1	46.8	38.3	6.3	6.3	
1SV20ME400	15	13	28	13	4	17	20	20	20	20	13	93	28	2	2	2	2	2	9.4	9.4	9.4	9.4	9.4	26	50	35	22	15	55.3	80.6	74.5	68.8	46.9	
1SV20ME401	14	12	26	15	15	30	20	0	20	0	20	60	18	2	2	2	2	2	6	6	6	6	6	37	31	34	2	22	78.7	50.0	72.3	6.3	68.8	
1SV20ME402	15	11	26	13	9	22	20	3	20	20	20	83	25	2	2	2	2	2	8.4	8.4	8.4	8.4	8.4	31	33	33	22	22	66.0	53.2	70.2	68.8	68.8	
1SV20ME403	15	15	30	13	14	27	20	20	20	20	20	100	30	2	2	2	2	2	5	5	5	5	5	41	55	42	27	27	87.2	88.7	89.4	84.4	84.4	
1SV19CV023	14	6	20	12	6	18	0	0	0	0	0	0	0	2	2	2	2	2	11.2	11.2	11.2	11.2	11.2	8	28	8	2	2	17.0	45.2	17.0	6.3	6.3	
1SV19CV024	15	15	30	13	12	25	20	20	0	7	20	67	20	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	38.6	54.6	21.6	13.6	26.6	82.1	88.1	46.0	42.5	83.1	
1SV19CV025	12	3	15	6	7	13	5	5	5	5	0	20	6	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	9	20	5	2	2	19.1	32.3	10.6	6.3	6.3	
1SV19CV027	14	14	28	13	15	28	10	10	10	10	17	57	17	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	27	39	26	12	19	57.4	62.9	55.3	37.5	59.4	
1SV19CV028	15	14	30	14	14	28	17	10	10	10	10	57	17	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	33	41	26	12	12	70.2	66.1	55.3	37.5	37.5	
1SV19CV029	15	14	30	15	15	30	10	0	20	20	20	70	21	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	32.6	37.6	41.6	27.6	27.6	69.4	60.6	88.5	86.3	86.3	
1SV19CV030	14	14	29	11	9	20	3	10	20	20	20	73	22	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	18.6	41.6	40.6	26.6	26.6	39.6	67.1	86.4	83.1	83.1	
1SV19CV031	15	14	30	15	15	30	20	20	20	20	20	100	30	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	43.2	58.2	42.2	28.2	28.2	91.9	93.9	89.8	88.1	88.1	
1SV19CV032	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	3	3	3	3	3	5	5	5	5	5	10.6	8.1	10.6	15.6	15.6	
1SV20CV400	15	14	30	14	14	28	0	7	10	10	10	37	11	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	16	38	26	12	12	34.0	61.3	55.3	37.5	37.5	
1SV20CV401	15	14	29	13	13	26	5	5	5	5	13	33	10	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	20	35	21	7	15	42.6	56.5	44.7	21.9	46.9	
1SV20CV402	13	13	26	14	14	28	20	20	20	20	13	93	28	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	39.8	52.8	38.8	25.8	18.8	84.7	85.2	82.6	80.6	58.8	
1SV20CV403	12	3	15	15	14	29	20	20	20	20	0	90	27	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	39.8	52.8	38.8	25.8	18.8	84.7	85.2	82.6	80.6	58.8	
1SV18CV023	12	12	24	15	15	30	20	20	20	7	10	77	23	2	2	2	2	2	4	4	4	4	4	41	53	38	13	16	87.2	85.5	80.9	40.6	50.3	
1SV18CV002	15	15	30	15	14	29	10	10	10	10	13	53	16	2	2	2	2	2	5	5	5	5	5	31	47	32	17	20	66.0	75.8	68.1	53.1	62.5	
1SV18CV009	15	15	30	15	15	30	20	20	20	7	10	77	23	2	2	2	2	2	0	0	0	0	0	37	52	37	9	12	78.7	83.9	78.7	28.1	37.5	
1SV18CV010	15	15	30	15	15	30	20	20	20	0	80	24	2	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	0	17	32	17	2	2	36.2	51.6	36.2	6.3	6.3
1SV18CV012	15	15	30	11	12	23	17	20	20	20	20	97	29	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	36.4	53.4	42.4	27.4	27.4	77.4	86.1	90.2	85.6	85.6	
1V18CV020	12	13	25	13	15	28	0	20	20	20	20	80	24	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	23.2	53.2	41.2	28.2	28.2	49.4	85.8	87.7	88.1	88.1	
1V18CV031	15	14	29	13	15	28	0	3	20	20	20	63	19	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	17	33	36	22	22	36.2	53.2	76.6	68.8	68.8	
1V18CV033	15	15	30	12	14	26	10	10	10	10	13	53	16	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	26	39	27	12	15	55.3	62.9	57.4	37.5	46.9	
1V18CV035	15	14	29	11	14	25	20	20	20	20	0	90	27	2	2	2	2	2	9	9	9	9	9	36	48	36	22	2	76.6	77.4	76.6	68.8	6.3	
1V18CV037	15	10	25	13	10	23	20	20	20	3	10	73	22	2	2	2	2	2	7.4	7.4	7.4	7.4	7.4	32	50	32	5	12	68.1	80.6	68.1	15.6	37.5	
1SV19CV001	15	10	25	14	14	28	20	0	0	20	60	18	2	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	39.2	54.2	15.2	5.2	25.2	83.4	87.4	32.3	16.3	78.8	
1SV19CV002	15	15	30	10	10	20	20	3	10	20	73	22	2	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	36.8	34.8	31.8	26.8	26.8	78.3	56.1	67.7	83.8	83.8	
1SV19CV003	11	9	20	15	15	30	20	0	0	0	20	40	12	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	39.2	30.2	13.2	4.2	24.2	83.4	48.7	28.1	13.1	75.6	
1SV19CV004	15	15	30	15	15	30	5	5	5	5	5	30	9	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	25.2	40.2	25.2	10.2	10.2	53.6	64.8	53.6	31.9	31.9	
1SV19CV005	15	15	30	11	10	21	0	0	0	0	0	0	0	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	15.2	31.2	20.2	5.2	5.2	32.3	50.3	43.0	16.3	16.3	
1SV19CV006	11	4	15	14	11	25	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	15	29	8	4	4	31.9	46.8	17.0	12.5	12.5		
1SV19CV007	15	15	30	14	12	26	5	5	5	5	17	37	11	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	22.4	39.4	25.4	10.4	22.4	47.7	63.5	54.0	32.5	70.0	
1SV19CV008	13	7	20	14	11	25	0	3	20	20	63	19	2	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	13	32	29	22	22	27.7	51.6	61.7	68.8	68.8	
1SV19CV009	14	6	20	15	15	30	10	10	10	10	10	50	15	2	2	2	2	2	5	5	5	5	5	27	41	18	12	12	57.4	66.1	38.3	37.5	37.5	
1SV19CV010	15	15	30	15	15	30	20	20	20	0	10	70	21	2	2	2	2	2	7	7	7	7	7	37	52	37	2	12	78.7	83.9	78.7	6.3	37.5	
1SV19CV011	15	15	30	15	15	30	20	20	20	0	0	60	18	2	2	2	2	2	6	6	6	6	6	2	17	17	2	2	4.3	27.4	36.2	6.3	6.3	
1SV19CV012	15	15	30	15	14	29	20	20	20	20	13	93	28	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	41.2	57.2	42.2	27.2	20.2	87.7	92.3	8			



Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
 Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

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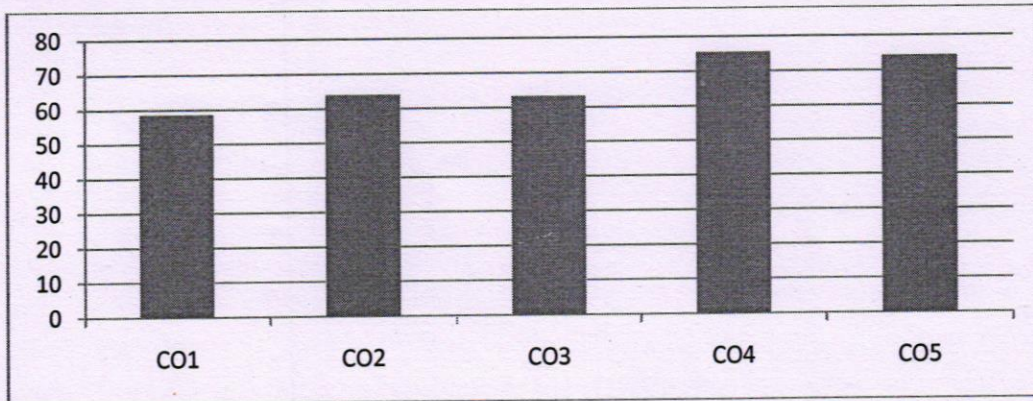


DEPARTMENT OF MATHEMATICS

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY				
FACULTY NAME	Dr. CHETANA C/Prof. RASHMI S B				
BRANCH	ECE/EEE/CSE/CVE/ISE/ME	ACADEMIC YEAR	2019-20		
COURSE	B.E	SEMESTER	I	SECTION	A,B,C,D
SUBJECT	CALCULUS AND DIFFERENTIAL EQUATION			SUBJECT CODE	18MAT11

CO & PO MAPPING

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	59	1.17	1.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59
CO2	64	1.28	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64
CO3	63	1.27	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63
CO4	76	1.51	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76
CO5	74	1.48	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74
AVG	67	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.34



Staff in-charge

HOD

PRINCIPAL
 SIET., Principal

Academic year:2019-20										SEM I					TOTAL STRENGTH					CALCULUS AND LINEAR ALGEBRA					Subject Code					18MAT11								
SEM:I SEC:A										IA TEST 1(30M)			IA TEST 2(30M)			IA TEST 3(30M)			ASSIGNMENT / QUIZ(10 M)					SEE MARKS(60)					Total Cos ATTAINMENT					% of individual CO				
USN	CO1	CO2	TOTAL	CO2	CO3	TOTAL	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1=1	CO2	CO3	CO4	CO5	CO1=2	CO2=1	CO3=2	CO4=2	CO5=2	CO1	CO2	CO3	CO4	CO5									
1SV19CS001	10	12	22	10	15	25	15	15	30	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	19.2	31.2	24.2	24.2	24.2	66.2	70.9	83.4	83.4	83.4									
1SV19CS002	0	0	0	0	0	0	15	15	30	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	3.2	3.2	3.2	18.2	15.2	11	7.27	11	62.8	52.4									
1SV19CS003	10	12	22	14	15	29	15	15	30	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	18.8	34.8	23.8	23.8	23.8	64.8	79.1	82.1	82.1	82.1									
1SV19CS004	6	7	13	10	6	16	10	8	18	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	12.6	23.6	12.6	16.6	14.6	43.4	53.6	43.4	57.2	50.3									
1SV19CS005	4	4	8	10	10	20	10	4	14	2	2	2	2	2	2	2	2	2	2	8	18	14	14	8	27.6	40.9	48.3	48.3	27.6									
1SV19CS006	10	15	25	10	10	20	15	15	30	2	2	2	2	2	8.2	8.2	8.2	8.2	8.2	20.2	35.2	20.2	25.2	25.2	69.7	80	69.7	86.9	86.9									
1SV19CS007	9	6	15	10	5	15	8	6	14	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	15.2	22.2	11.2	14.2	12.2	52.4	50.5	38.6	49	42.1									
1SV19CS008	9	6	15	14	14	28	10	9	19	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	17.6	28.6	22.6	18.6	17.6	60.7	65	77.9	64.1	60.7									
1SV19CS009	0	0	0	0	0	0	15	12	27	2	2	2	2	2	0.6	0.6	0.6	0.6	0.6	2.6	2.6	2.6	17.6	14.6	8.97	5.91	8.97	60.7	50.3									
1SV19CS010	10	11	21	10	16	26	10	13	23	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	16.8	27.8	22.8	16.8	19.8	57.9	63.2	78.6	57.9	68.3									
1SV19CS011	5	6	11	10	6	16	5	5	10	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	11.6	22.6	12.6	11.6	11.6	40	51.4	43.4	40	40									
1SV19CS012	10	7	17	10	5	15	10	12	22	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	23.2	11.2	16.2	18.2	55.9	52.7	38.6	55.9	62.8									
1SV19CS013	4	4	8	10	4	14	10	8	18	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	13.2	23.2	13.2	19.2	17.2	45.5	52.7	45.5	66.2	59.3									
1SV19CS014	10	7	17	15	15	30	15	15	30	2	2	2	2	2	9	9	9	9	9	21	33	26	26	26	72.4	75	89.7	89.7	89.7									
1SV19CS015	14	13	27	15	15	30	14	14	28	2	2	2	2	2	9	9	9	9	9	25	39	26	25	25	86.2	88.6	89.7	86.2	86.2									
1SV19CS016	11	11	22	10	12	22	10	13	23	2	2	2	2	2	8.4	8.4	8.4	8.4	8.4	21.4	31.4	22.4	20.4	23.4	73.8	71.4	77.2	70.3	80.7									
1SV19CS017	5	7	12	9	0	9	10	11	21	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	11.2	22.2	6.2	16.2	17.2	38.6	50.5	21.4	55.9	59.3									
1SV19CS018	5	6	11	10	4	14	10	15	25	2	2	2	2	2	5	5	5	5	5	12	23	11	17	22	41.4	52.3	37.9	58.6	75.9									
1SV19CS019	0	0	0	10	3	13	5	0	5	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	3.6	13.6	6.6	8.6	3.6	12.4	30.9	22.8	29.7	12.4									
1SV19CS020	10	12	22	15	15	30	13	14	27	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	20.8	37.8	25.8	23.8	24.8	71.7	85.9	89	82.1	85.5									
1SV19CS021	15	15	30	15	15	30	15	15	30	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	25.8	40.8	25.8	25.8	25.8	89	92.7	89	89	89									
1SV19CS022	5	4	9	10	4	14	10	5	15	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	12.4	21.4	11.4	17.4	12.4	42.8	48.6	39.3	60	42.8									
1SV19CS023	5	5	10	10	12	22	7	5	12	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	11.2	21.2	18.2	13.2	11.2	38.6	48.2	62.8	45.5	38.6									
1SV19CS024	2	1	3	11	0	11	10	4	14	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	6.2	16.2	4.2	14.2	8.2	21.4	36.8	14.5	49	28.3									
1SV19CS025	10	12	22	10	7	17	10	5	15	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	28.2	13.2	16.2	11.2	55.9	64.1	45.5	55.9	38.6									
1SV19CS026	4	4	8	4	0	4	5	0	5	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	6.4	10.4	2.4	7.4	2.4	22.1	23.6	8.28	25.5	8.28									
1SV19CS027	10	12	22	15	27	15	15	30	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	30.2	21.2	21.2	21.2	55.9	68.6	73.1	73.1	73.1									
1SV19CS028	10	5	15	10	4	14	10	14	24	2	2	2	2	2	8	8	8	8	8	20	25	14	20	24	69	56.8	48.3	69	82.8									
1SV19CS029	5	5	10	10	14	24	11	15	26	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	11.6	21.6	20.6	17.6	21.6	40	49.1	71	60.7	74.5									
1SV19CS030	10	15	25	15	15	30	11	15	26	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	20.8	40.8	25.8	21.8	25.8	71.7	92.7	89	75.2	89									
1SV19CS031	10	10	20	10	7	17	10	2	12	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	14.8	24.8	11.8	14.8	6.8	51	56.4	40.7	51	23.4									
1SV19CS032	10	15	25	10	17	27	10	9	19	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	19.6	34.6	26.6	19.6	18.6	67.6	78.6	91.7	67.6	64.1									
1SV19CS033	7	6	13	10	14	24	10	5	15	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	15.2	24.2	22.2	18.2	13.2	52.4	55	76.6	62.8	45.5									
1SV19CS034	14	14	28	10	15	25	14	14	28	2	2	2	2	2	9	9	9	9	9	25	35	26	25	25	86.2	79.5	89.7	86.2	86.2									
1SV19CS035	10	11	21	10	15	25	10	14	24	2	2	2	2	1	7.2	7.2	7.2	7.2	7.2	19.2	30.2	24.2	19.2	22.2	66.2	68.6	83.4	66.2	76.6									
1SV19CS036	10	6	16	10	8	18	10	2	12	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	17.4	23.4	15.4	17.4	9.4	60	53.2	53.1	60	32.4									
1SV19CS037	10	12	22	10	14	24	10	8	18	2	2	2	2	2	5	5	5	5	5	17	29	21	17	15	58.6	65.9	72.4	58.6	51.7									
1SV19CS038	9	6	15	10	4	14	12	14	26	2	1	2	2	2	5.6	5.6	5.6	5.6	5.6	16.6	22.6	11.6	19.6	21.6	57.2	51.4	40	67.6	74.5									
1SV19CS039	8	5	13	10	9	19	0	3	3	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	12.2	19.2	13.2	4.2	7.2	42.1	43.6	45.5	14.5	24.8									
1SV19CS040	11	15	26	15	15	30	14	15	29	2	2	2	2	2	9.6	9.6	9.6	9.6	9.6	22.6	41.6	26.6	25.6	26.6	77.9	94.5	91.7	88.3	91.7									
1SV19CS041	10	14	24	14	15	29	10	13	23	2	2	2	2	2	8.4	8.4	8.4	8.4	8.4	20.4	38.4	25.4	20.4	23.4	70.3	87.3	87.6	70.3	80.7									
1SV19CS042	10	6	16	10	7	17	10	6	16	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	18.4	24.4	15.4	18.4	14.4	63.4	55.5	53.1	63.4	49.7									
1SV19CS043	7	0	7	10	2	12	10	7	17	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	13.2	16.2	8.2	16.2	13.2	45.5	36.8	28.3	55.9	45.5									
1SV19CS044	10	12	22	10	7	17	10	13	23	2	2	2	2	2	6	6	6	6	6	18	30	15	18	21	62.1	68.2	51.7	62.1	72.4									
1SV19CS045	10	15	25	10	3	13	15	15	30	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	17.8	32.8	10.8	22.8	22.8	61.4	74.5	37.2	78.6	78.6									
1SV19CS046	5	5	10	10	5	15	10	6	16	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	11.2	21.2	11.2	16.2	12.2	38.6	48.2	38.6	55.9	42.1									
1SV19CS047	10	8	18	15	15	30	14	14	28	2	2	2	2	2	9	9	9	9	9	21	34	26	25	25	72.4	77.3	89.7	86.2	86.2									
1SV19CS048	10	11	21	10	12	22	14	15	29	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	19.2	30.2	21.2	23.2	24.2	66.2	68.6	73.1	80	83.4									
1SV19CS049	10	15	25	13	15	28	10	11	21	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	16.8	34.8	21.8	16.8	17.8	57.9	79.1	75.2	57.9	61.4									

1SV19CS050	15	15	30	14	15	29	15	15	30	2	2	2	2	2	9.4	9.4	9.4	9.4	9.4	26.4	40.4	26.4	26.4	26.4	91	91.8	91	91	91
1SV19CS051	4	0	4	10	9	19	5	6	11	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	9.4	15.4	14.4	10.4	11.4	32.4	35	49.7	35.9	39.3
1SV19CS052	10	5	15	10	15	25	10	9	19	2	2	2	2	2	6	6	6	6	6	18	23	23	18	17	62.1	52.3	79.3	62.1	58.6
1SV19CS053	15	10	25	10	14	24	12	15	27	2	2	2	2	2	8.2	8.2	8.2	8.2	8.2	25.2	30.2	24.2	22.2	25.2	86.9	68.6	83.4	76.6	86.9
1SV19CS054	10	4	14	10	8	18	10	9	19	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	20.2	14.2	16.2	15.2	55.9	45.9	49	55.9	52.4
1SV19CS055	0	0	0	5	5	10	10	8	18	2	2	2	2	2	3	3	3	3	3	5	10	10	15	13	17.2	22.7	34.5	51.7	44.8
1SV19CS056	12	15	27	10	4	14	11	15	26	2	2	2	2	2	6	6	6	6	6	20	33	12	19	23	69	75	41.4	65.5	79.3
1SV19CS057	15	15	30	15	8	23	15	15	30	2	2	2	2	2	10.2	10.2	10.2	10.2	10.2	27.2	42.2	20.2	27.2	27.2	93.8	95.9	69.7	93.8	93.8
1SV19CS058	15	15	30	15	15	30	15	15	30	2	2	2	2	2	9.8	9.8	9.8	9.8	9.8	26.8	41.8	26.8	26.8	26.8	92.4	95	92.4	92.4	92.4
1SV19CS059	14	12	26	15	14	29	15	15	30	2	2	2	2	2	5	5	5	5	5	21	34	21	22	22	72.4	77.3	72.4	75.9	75.9
1SV19CS060	14	13	27	15	15	30	15	15	30	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	20.4	34.4	21.4	21.4	21.4	70.3	78.2	73.8	73.8	73.8
1SV19CS061	15	15	30	15	15	30	15	15	30	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	23.6	38.6	23.6	23.6	23.6	81.4	87.7	81.4	81.4	81.4
1SV19CS062	15	15	30	0	0	0	15	15	30	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	22.6	22.6	7.6	22.6	22.6	77.9	51.4	26.2	77.9	77.9
1SV19CS063	0	0	0	0	0	0	0	0	10	2	2	2	2	2	6	6	6	6	6	8	8	8	8	8	27.6	18.2	27.6	27.6	27.6
1SV19CS064	10	7	17	15	15	30	0	0	9	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	19.6	31.6	24.6	9.6	9.6	67.6	71.8	84.8	33.1	33.1
1SV19CS065	15	15	30	15	15	30	15	15	30	2	2	2	2	2	7	7	7	7	7	24	39	24	24	24	82.8	88.6	82.8	82.8	82.8
1SV19CS066	15	15	30	15	15	30	15	15	30	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	24.6	39.6	24.6	24.6	24.6	84.8	90	84.8	84.8	84.8
1SV19CS067	10	1	11	15	15	30	15	15	30	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	22.2	21.2	21.2	21.2	55.9	50.5	73.1	73.1	73.1
1SV19CS068	0	0	0	0	0	0	0	0	10	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	6.6	6.6	6.6	6.6	6.6	22.8	15	22.8	22.8	22.8
1SV19CS069	14	15	29	15	15	30	14	15	29	2	2	2	2	2	6	6	6	6	6	22	38	23	22	23	75.9	86.4	79.3	75.9	79.3
1SV19CS070	14	14	28	15	15	30	15	15	30	2	2	2	2	2	11	11	11	11	11	27	42	28	28	28	93.1	95.5	96.6	96.6	96.6
1SV19CS071	15	15	30	15	15	30	15	15	30	2	2	2	2	2	11.4	11.4	11.4	11.4	11.4	28.4	43.4	28.4	28.4	28.4	97.9	98.6	97.9	97.9	97.9
1SV19CS072	12	14	26	15	15	30	15	14	29	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	21.2	38.2	24.2	24.2	23.2	73.1	86.8	83.4	83.4	80
1SV19CS073	12	15	27	15	15	30	14	14	28	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	16.4	34.4	19.4	18.4	18.4	56.6	78.2	66.9	63.4	63.4
1SV19CS074	12	12	24	15	15	30	15	15	30	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	17.6	32.6	20.6	20.6	20.6	60.7	74.1	71	71	71
1SV19CS075	11	11	22	15	15	30	15	15	30	2	2	2	2	2	3	3	3	3	3	16	31	20	20	20	55.2	70.5	69	69	69
1SV19CS076	0	0	0	15	15	30	15	15	30	2	2	2	2	2	8.6	8.6	8.6	8.6	8.6	10.6	25.6	25.6	25.6	25.6	36.6	58.2	88.3	88.3	88.3
1SV19CS077	15	14	29	15	15	30	15	15	30	2	2	2	2	2	6	6	6	6	6	23	37	23	23	23	79.3	84.1	79.3	79.3	79.3
1SV19CS078	10	7	17	0	0	0	0	0	0	2	2	2	2	2	6	6	6	6	6	18	15	8	8	8	62.1	34.1	27.6	27.6	27.6
1SV19CS079	14	14	28	15	15	30	15	15	30	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	21.4	36.4	22.4	22.4	22.4	73.8	82.7	77.2	77.2	77.2
1SV19CS080	15	15	30	15	15	30	15	15	30	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	25.8	40.8	25.8	25.8	25.8	89	92.7	89	89	89
1SV19CS081	14	14	28	15	15	30	15	15	30	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	22.6	37.6	23.6	23.6	23.6	77.9	85.5	81.4	81.4	81.4
1SV19CS082	15	15	30	15	15	30	15	15	30	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	21.2	36.2	21.2	21.2	21.2	73.1	82.3	73.1	73.1	73.1
1SV19CS083	15	15	30	15	15	30	15	15	30	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	24.6	39.6	24.6	24.6	24.6	84.8	90	84.8	84.8	84.8
1SV19CS084	15	15	30	10	10	20	15	15	30	2	2	2	2	2	3	3	3	3	3	20	30	15	20	20	69	68.2	51.7	69	69
1SV19CS085	12	13	25	15	15	30	15	15	30	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	22.8	38.8	25.8	25.8	25.8	78.6	88.2	89	89	89
1SV19CS086	0	0	0	15	15	30	0	0	0	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	8.4	23.4	23.4	8.4	8.4	29	53.2	80.7	29	29
1SV19IS001	15	15	30	15	15	30	15	15	30	2	2	2	2	2	9.4	9.4	9.4	9.4	9.4	26.4	41.4	26.4	26.4	26.4	91	94.1	91	91	91
1SV19IS003	7	7	14	15	15	30	15	15	30	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	14.2	29.2	22.2	22.2	22.2	49	66.4	76.6	76.6	76.6
1SV19IS005	10	10	20	0	0	0	15	15	30	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	17.6	17.6	7.6	22.6	22.6	60.7	40	26.2	77.9	77.9
1SV19IS006	12	10	22	15	15	30	14	15	29	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	19.4	32.4	22.4	21.4	22.4	66.9	73.6	77.2	73.8	77.2
1SV19IS007	15	15	30	15	15	30	15	15	30	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	24.2	39.2	24.2	24.2	24.2	83.4	89.1	83.4	83.4	83.4
1SV19IS008	3	2	5	15	15	30	15	15	30	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	9.2	23.2	21.2	21.2	21.2	31.7	52.7	73.1	73.1	73.1
1SV19IS009	3	6	9	15	15	30	14	14	28	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	8.2	26.2	20.2	19.2	19.2	28.3	59.5	69.7	66.2	66.2
1SV19IS010	14	14	28	15	15	30	15	15	30	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	18.6	33.6	19.6	19.6	19.6	64.1	76.4	67.6	67.6	67.6
1SV19IS011	15	15	30	15	15	30	15	15	30	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	24.8	39.8	24.8	24.8	24.8	85.5	90.5	85.5	85.5	85.5
1SV19IS012	15	15	30	15	15	30	15	15	30	2	2	2	2	2	7	7	7	7	7	24	39	24	24	24	82.8	88.6	82.8	82.8	82.8
1SV19IS013	15	15	30	15	15	30	15	15	30	2	2	2	2	2	6	6	6	6	6	23	38	23	23	23	79.3	86.4	79.3	79.3	79.3
1SV19IS014	9	7	16	15	15	30	15	14	29	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	13.6	26.6	19.6	18.6	18.6	46.9	60.5	67.6	67.6	64.1
1SV19IS015	14	9	23	15	15	30	15	15	30	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	21.4	31.4	22.4	22.4	22.4	73.8	71.4	77.2	77.2	77.2
1SV19IS016	15	15	30	15	15	30	15	14	29	2	2	2	2	2	5	5	5	5	5	22	37	22	22	21	75.9	84.1	75.9	75.9	72.4
1SV19IS017	15	15	30	15	15	30	15	15	30	2	2	2	2	2	9	9	9	9	9	26	41	26	26	26	89.7	93.2	89.7	89.7	89.7
1SV19IS018	13	9	22	15	15	30	0	0	0	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	19.2	30.2	21.2	6.2	6.2	66.2	68.6	73.1	21.4	21.4

1SV19IS019	12	14	26	15	15	30	15	15	30	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	21.6	38.6	24.6	24.6	24.6	74.5	87.7	84.8	84.8	84.8
1SV19IS020	9	9	18	13	12	25	0	0	0	2	2	2	2	2	3	3	3	3	3	14	27	17	5	5	48.3	61.4	58.6	17.2	17.2
1SV19IS021	5	5	10	12	13	25	0	0	0	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	9.2	21.2	17.2	4.2	4.2	31.7	48.2	59.3	14.5	14.5
1SV19IS022	15	8	23	0	0	0	0	0	0	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	21.2	14.2	6.2	6.2	6.2	73.1	32.3	21.4	21.4	21.4
1SV19IS023	15	15	30	14	14	28	15	15	30	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	22.8	36.8	21.8	22.8	22.8	78.6	83.6	75.2	78.6	78.6
1SV19IS024	15	15	30	15	15	30	15	15	30	2	2	2	2	2	8	8	8	8	8	25	40	25	25	25	86.2	90.9	86.2	86.2	86.2
1SV19IS025	13	13	26	12	12	24	15	15	30	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	19.8	31.8	18.8	21.8	21.8	68.3	72.3	64.8	75.2	75.2
1SV19IS026	10	10	20	12	13	25	15	14	29	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	14.6	26.6	17.6	19.6	18.6	50.3	60.5	60.7	67.6	64.1
1SV19IS027	15	15	30	15	14	29	14	15	29	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	23.8	38.8	22.8	22.8	23.8	82.1	88.2	78.6	78.6	82.1
1SV19EC004	7	8	15	7	7	14	7	7	14	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	17.8	25.8	17.8	17.8	17.8	61.4	58.6	61.4	61.4	61.4
1SV19EC007	10	7	17	10	6	16	10	6	16	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	23.2	12.2	16.2	12.2	55.9	52.7	42.1	55.9	42.1
1SV19EC009	13	10	23	10	12	22	12	10	22	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	19.6	26.6	18.6	18.6	16.6	67.6	60.5	64.1	64.1	57.2
1SV19EC024	10	7	17	10	7	17	10	6	16	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	14.8	21.8	11.8	14.8	10.8	51	49.5	40.7	51	37.2
1SV19EC028	6	10	16	5	10	15	5	10	15	2	2	2	2	2	0.2	0.2	0.2	0.2	0.2	8.2	17.2	12.2	7.2	12.2	28.3	39.1	42.1	24.8	42.1
1SV19EC031	5	5	10	10	1	11	5	6	11	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	9.4	19.4	5.4	9.4	10.4	32.4	44.1	18.6	32.4	35.9
1SV19EE002	4	10	14	10	3	13	3	10	13	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	7.6	23.6	6.6	6.6	13.6	26.2	53.6	22.8	22.8	46.9
1SV19EE004	10	11	21	10	15	25	15	15	30	2	2	2	2	2	9.2	9.2	9.2	9.2	9.2	21.2	32.2	26.2	26.2	26.2	73.1	73.2	90.3	90.3	90.3
1SV19EE005	10	4	14	10	4	14	10	3	13	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	20.2	10.2	16.2	9.2	55.9	45.9	35.2	55.9	31.7
1SV19EE008	10	5	15	5	10	15	4	10	14	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	16.2	16.2	10.2	16.2	55.9	36.8	55.9	35.2	55.9
1SV19EE009	10	9	19	10	9	19	10	8	18	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	14.6	23.6	13.6	14.6	12.6	50.3	53.6	46.9	50.3	43.4
1SV19EE014	10	8	18	10	8	18	7	10	17	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	14.4	22.4	12.4	11.4	14.4	49.7	50.9	42.8	39.3	49.7
1SV19EE015	10	5	15	10	5	15	10	4	14	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	14.8	19.8	9.8	14.8	8.8	51	45	33.8	51	30.3
1SV19EE016	4	4	8	4	4	8	2	5	7	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	10.2	14.2	10.2	8.2	11.2	35.2	32.3	35.2	28.3	38.6
1SV19EE019	0	0	0	0	0	0	0	10	10	2	2	2	2	2	0	0	0	0	0	2	2	2	2	2	6.9	4.55	6.9	6.9	6.9
1SV19ME003	10	3	13	3	10	13	2	10	12	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	14.8	10.8	14.8	6.8	14.8	51	24.5	51	23.4	51
1SVME004	5	5	10	5	5	10	6	3	9	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	10.4	15.4	10.4	11.4	8.4	35.9	35	35.9	39.3	29
1SVME005	10	7	17	10	7	17	6	10	16	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	23.2	13.2	12.2	16.2	55.9	52.7	45.5	42.1	55.9
1SVME011	3	10	13	3	10	13	6	3	12	2	2	2	2	2	0.8	0.8	0.8	0.8	0.8	5.8	15.8	12.8	8.8	5.8	20	35.9	44.1	30.3	20
1SVME013	6	3	9	6	3	9	4	4	8	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	11.6	14.6	8.6	9.6	9.6	40	33.2	29.7	33.1	33.1
1SVME014	6	10	16	6	10	16	10	5	15	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	10.6	20.6	14.6	14.6	9.6	36.6	46.8	50.3	50.3	33.1
1SVCV001	10	5	15	10	5	15	4	10	14	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	16.6	21.6	11.6	10.6	16.6	57.2	49.1	40	36.6	57.2
1SVCV003	3	6	9	3	6	9	4	4	8	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	9.2	15.2	12.2	10.2	10.2	31.7	34.5	42.1	35.2	35.2
1SVCV004	4	4	8	4	4	8	2	5	7	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	10.2	14.2	10.2	8.2	11.2	35.2	32.3	35.2	28.3	38.6
1SVCV005	4	10	14	4	10	14	10	3	13	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	7.6	17.6	13.6	13.6	6.6	26.2	40	46.9	46.9	22.8
1SVCV006	6	3	9	6	3	9	4	4	8	2	2	2	2	2	0.2	0.2	0.2	0.2	0.2	8.2	11.2	5.2	6.2	6.2	28.3	25.5	17.9	21.4	21.4
1SVCV007	7	10	17	7	10	17	10	6	16	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	11.8	21.8	14.8	14.8	10.8	40.7	49.5	51	51	37.2
1SVCV008	10	3	13	10	3	13	2	10	12	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	14.2	17.2	7.2	6.2	14.2	49	39.1	24.8	21.4	49
1SVCV011	4	4	8	4	4	8	5	2	7	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	7.6	11.6	7.6	8.6	5.6	26.2	26.4	26.2	29.7	19.3
1SVCV014	10	4	14	10	4	14	3	10	13	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	20.2	10.2	9.2	16.2	55.9	45.9	35.2	31.7	55.9
1SVCV015	4	4	8	4	4	8	5	2	7	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	10.2	14.2	10.2	11.2	8.2	35.2	32.3	35.2	38.6	28.3
1SVCV016	10	3	13	10	3	13	2	10	12	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	13.2	16.2	6.2	5.2	13.2	45.5	36.8	21.4	17.9	45.5
1SVCV018	4	10	14	4	10	14	10	3	13	2	2	2	2	2	1.4	1.4	1.4	1.4	1.4	7.4	17.4	13.4	13.4	6.4	25.5	39.5	46.2	46.2	22.1
1SVCV019	10	6	16	10	6	16	5	10	15	2	2	2	2	2	3	3	3	3	3	15	21	11	10	15	51.7	47.7	37.9	34.5	51.7
1SVCV020	4	4	8	4	4	8	5	2	7	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	10.2	14.2	10.2	11.2	8.2	35.2	32.3	35.2	38.6	28.3
1SVCV021	4	4	8	4	4	8	2	5	7	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	10.2	14.2	10.2	8.2	11.2	35.2	32.3	35.2	28.3	38.6
1SVCV022	2	10	12	2	10	12	10	1	11	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	6.6	16.6	14.6	14.6	5.6	22.8	37.7	50.3	50.3	19.3
1SVCV023	4	4	8	4	4	8	2	5	7	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	10.2	14.2	10.2	8.2	11.2	35.2	32.3	35.2	28.3	38.6
1SVCV024	3	10	13	3	10	13	10	2	12	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	7.2	17.2	14.2	14.2	6.2	24.8	39.1	49	49	21.4
1SVCV025	3	10	13	3	10	13	6	6	12	2	2	2	2	2	1	1	1	1	1	6	16	13	9	9	20.7	36.4	44.8	31	31
1SVCV027	4	4	8	4	4	8	5	2	7	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	10.2	14.2	10.2	11.2	8.2	35.2	32.3	35.2	38.6	28.3
1SVCV030	9	10	19	9	10	19	8	10	18	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	14.4	24.4	15.4	13.4	15.4	49.7	55.5	53.1	46.2	53.1
1SV19IS002	10	7	17	15	15	30	30	30	60	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	16.8	28.8	21.8	36.8	36.8	57.9	65.5	75.2	127	127

1SV19EC001	10	9	19	15	15	30	30	30	60	2	2	2	2	2	10	10	10	10	10	22	36	27	42	42	75.9	81.8	93.1	145	145
1SV19EC002	10	8	18	15	15	30	30	30	60	2	2	2	2	2	10	10	10	10	10	22	35	27	42	42	75.9	79.5	93.1	145	145
1SV19EC003	15	15	30	15	15	30	30	30	60	2	2	2	2	2	7.4	7.4	7.4	7.4	7.4	24.4	39.4	24.4	39.4	39.4	84.1	89.5	84.1	136	136
1SV19EC005	15	15	30	15	15	30	30	30	60	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	23.6	38.6	23.6	38.6	38.6	81.4	87.7	81.4	133	133
1SV19EC006	10	15	25	15	15	30	30	30	60	2	2	2	2	2	6	6	6	6	6	18	38	23	38	38	62.1	86.4	79.3	131	131
1SV19EC008	15	15	30	15	15	30	30	30	60	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	23.4	38.4	23.4	38.4	38.4	80.7	87.3	80.7	132	132
1SV19EC010	9	0	9	15	15	30	30	30	60	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	15.6	21.6	21.6	36.6	36.6	53.8	49.1	74.5	126	126
1SV19EC011	10	10	20	15	15	30	30	30	60	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	17.2	32.2	22.2	37.2	37.2	59.3	73.2	76.6	128	128
1SV19EC012	0	0	0	15	15	30	30	30	60	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	8.4	23.4	23.4	38.4	38.4	29	53.2	80.7	132	132
1SV19EC013	15	15	30	15	15	30	30	30	60	2	2	2	2	2	6	6	6	6	6	23	38	23	38	38	79.3	86.4	79.3	131	131
1SV19EC014	15	15	30	15	15	30	30	30	60	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	23.4	38.4	23.4	38.4	38.4	80.7	87.3	80.7	132	132
1SV19EC015	14	14	28	15	15	30	30	30	60	2	2	2	2	2	7	7	7	7	7	23	38	24	39	39	79.3	86.4	82.8	134	134
1SV19EC016	0	0	0	15	15	30	30	30	60	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	8.2	23.2	23.2	38.2	38.2	28.3	52.7	80	132	132
1SV19EC017	15	15	30	15	15	30	30	30	60	2	2	2	2	2	7	7	7	7	7	24	39	24	39	39	82.8	88.6	82.8	134	134
1SV19EC018	10	8	18	15	15	30	30	30	60	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	18.8	31.8	23.8	38.8	38.8	64.8	72.3	82.1	134	134
1SV19EC019	12	15	27	15	15	30	30	30	60	2	2	2	2	2	6	6	6	6	6	20	38	23	38	38	69	86.4	79.3	131	131
1SV19EC021	10	5	15	15	15	30	30	30	60	2	2	2	2	2	10	10	10	10	10	22	32	27	42	42	75.9	72.7	93.1	145	145
1SV19EC022	12	15	27	15	15	30	30	30	60	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	19.6	37.6	22.6	37.6	37.6	67.6	85.5	77.9	130	130
1SV19EC023	10	8	18	15	15	30	30	30	60	2	2	2	2	2	7	7	7	7	7	19	32	24	39	39	65.5	72.7	82.8	134	134
1SV19EC025	15	15	30	15	15	30	5	0	5	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	22.2	37.2	22.2	12.2	7.2	76.6	84.5	76.6	42.1	24.8
1SV19EC027	15	15	30	15	15	30	30	25	55	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	23.8	38.8	23.8	38.8	33.8	82.1	88.2	82.1	134	117
1SV19EC029	0	0	0	15	15	30	30	25	55	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	10.8	25.8	25.8	40.8	35.8	37.2	58.6	89	141	123
1SV19EC030	5	6	11	15	15	30	30	30	60	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	13.4	29.4	23.4	38.4	38.4	46.2	66.8	80.7	132	132
1SV19EE001	15	15	30	15	15	30	30	30	60	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	21.4	36.4	21.4	36.4	36.4	73.8	82.7	73.8	126	126
1SV19EE006	0	0	0	15	15	30	30	30	60	2	2	2	2	2	5	5	5	5	5	7	22	22	37	37	24.1	50	75.9	128	128
1SV19EE007	10	12	22	15	15	30	30	30	60	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	18.6	35.6	23.6	38.6	38.6	64.1	80.9	81.4	133	133
1SV19EE011	15	15	30	15	15	30	30	30	60	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	23.6	38.6	23.6	38.6	38.6	81.4	87.7	81.4	133	133
1SV19EE012	14	14	28	15	15	30	30	25	55	2	2	2	2	2	5	5	5	5	5	21	36	22	37	32	72.4	81.8	75.9	128	110
1SV19EE013	15	15	30	15	15	30	30	30	60	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	22.6	37.6	22.6	37.6	37.6	77.9	85.5	77.9	130	130
1SV19EE017	15	15	30	15	15	30	30	30	60	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	21.8	36.8	21.8	36.8	36.8	75.2	83.6	75.2	127	127
1SV19EE018	10	10	20	15	15	30	30	30	60	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	16.8	31.8	21.8	36.8	36.8	57.9	72.3	75.2	127	127
1SV19EE020	12	15	27	15	15	30	30	25	55	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	19.4	37.4	22.4	37.4	32.4	66.9	85	77.2	129	112
1SV19ME001	10	10	20	15	15	30	30	30	60	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	17.4	32.4	22.4	37.4	37.4	60	73.6	77.2	129	129
1SV19ME002	15	15	30	15	15	30	30	30	60	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	22.6	37.6	22.6	37.6	37.6	77.9	85.5	77.9	130	130
1SV19ME006	15	15	30	15	15	30	30	30	60	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	21.6	36.6	21.6	36.6	36.6	74.5	83.2	74.5	126	126
1SV19ME008	15	15	30	15	15	30	30	30	60	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	21.4	36.4	21.4	36.4	36.4	73.8	82.7	73.8	126	126
1SV19ME010	10	13	23	15	15	30	30	30	60	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	34.2	21.2	36.2	36.2	55.9	77.7	73.1	125	125
1SV19ME012	15	15	30	15	15	30	0	0	0	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	22.6	37.6	22.6	7.6	7.6	77.9	85.5	77.9	26.2	26.2
1SV19ME015	10	11	21	0	0	0	15	0	15	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	17.8	18.8	7.8	22.8	7.8	61.4	42.7	26.9	78.6	26.9
1SV19CV002	10	5	15	15	15	30	30	30	60	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	17.2	27.2	22.2	37.2	37.2	59.3	61.8	76.6	128	128
1SV19CV009	10	15	25	15	15	30	30	30	60	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	18.2	38.2	23.2	38.2	38.2	62.8	86.8	80	132	132
1SV19CV010	15	15	30	15	15	30	30	30	60	2	2	2	2	2	7	7	7	7	7	24	39	24	39	39	82.8	88.6	82.8	134	134
1SV19CV012	10	13	23	15	15	30	30	30	60	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	17.2	35.2	22.2	37.2	37.2	59.3	80	76.6	128	128
1SV19CV013	15	15	30	15	15	30	30	30	60	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	21.8	36.8	21.8	36.8	36.8	75.2	83.6	75.2	127	127
1SV19CV017	15	15	30	15	15	30	30	30	60	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	18.8	37.8	22.8	37.8	37.8	78.6	85.9	78.6	130	130
1SV19CV028	10	12	22	15	15	30	30	30	60	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	17.4	34.4	22.4	37.4	37.4	60	78.2	77.2	129	129
1SV19CV029	10	15	25	15	15	30	30	30	60	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	16.6	36.6	21.6	36.6	36.6	57.2	83.2	74.5	126	126
1SV19CV031	15	15	30	15	15	30	30	30	60	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	21.4	36.4	21.4	36.4	36.4	73.8	82.7	73.8	126	126
																									58.6	64	63.3	75.5	74.2

STAFF

HOD

PRINCIPAL
SHEILA P. MAKURU.



Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY



SHRIDEVI
EDUCATION

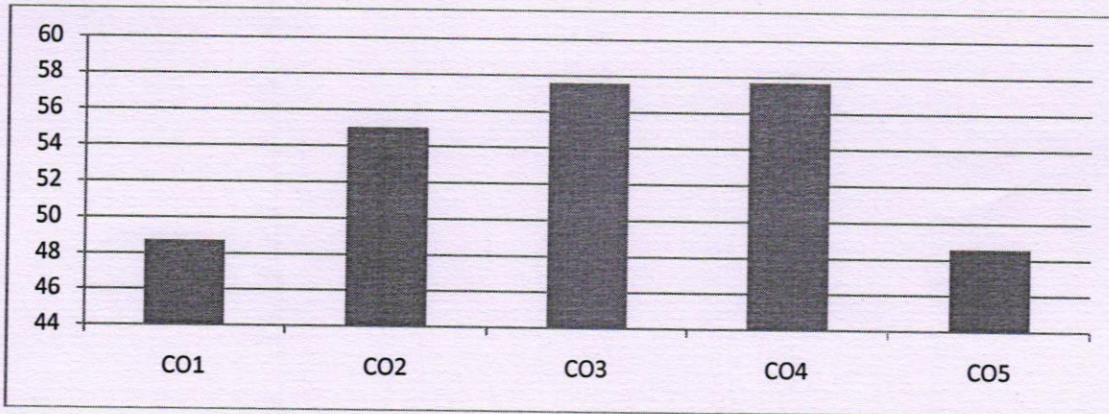
Sira Road, Tumkur - 572 106, Karnataka, India.
 Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628
 Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF MATHEMATICS

COLLEGE		SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY			
FACULTY NAME		Dr. CHETANA C/Prof. RASHMI S B			
BRANCH		ECE/EEE/CSE/CVE/ISE/ME	ACADEMIC YEAR		2019-20
COURSE	B.E	SEMESTER	III	SECTION	-
SUBJECT	TRANSFORM CALCULUS, FOURIER SERIES AND NUMERICAL TECHNIQUES			SUBJECT CODE	18MAT31
CO & PO MAPPING					

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	49	0.97	1.46	0	0	0	0	0	0	0	0	0	0.49
CO2	55	1.10	1.65	0	0	0	0	0	0	0	0	0	0.55
CO3	58	1.15	1.73	0	0	0	0	0	0	0	0	0	0.58
CO4	58	1.15	1.73	0	0	0	0	0	0	0	0	0	0.58
CO5	49	0.97	1.46	0	0	0	0	0	0	0	0	0	0.49
AVG	54	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.40



Staff in-charge

HOD

PRINCIPAL
SIET., TUMAKURU
Principal

Academic year:2019-20		SEM		3rd		Total strength					131		Subject		Laplace Transorm, Forier series & Numerical Techniques					Subject Code		18MAT31					Total Cos ATTAINMENT					% of individual CO				
SEM:III		IA TEST 1(30M)			IA TEST 2(30M)			IA TEST 3(100M)					ASSIGNMENT / QUIZ(10 M)					SEE MARKS(60)					COI-3 COI-3 COI-3 COI-4 COI-4					CO1 CO2 CO3 CO4 CO5								
USN	CO3	CO4	TOTAL	CO3	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	COI-12	CO2	CO3	CO4	CO5	COI-3	COI-3	COI-3	COI-4	COI-4	CO1	CO2	CO3	CO4	CO5				
1SV18EC002	15	15	30	12	16	28	20	12	20	20	20	92	28	2	2	2	2	2	8	8	8	8	8	30	22	57	45	46	88.2	64.7	89.1	91.8	93.9			
1SV18EC004	15	12	27	11	2	13	10	10	10	10	10	50	15	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	17.2	17.2	43.2	29.2	19.2	50.6	50.6	67.5	59.6	39.2			
1SV18EC005	15	13	28	13	7	20	20	20	20	20	13	83	25	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	28.6	28.6	56.6	41.6	28.6	84.1	84.1	88.4	84.9	58.4			
1SV18EC006	15	15	30	12	13	25	20	20	20	20	20	19	99	30	2	2	2	2	9.8	9.8	9.8	9.8	9.8	31.8	31.8	58.8	46.8	43.8	93.5	93.5	91.9	95.5	89.4			
1SV18EC007	15	15	30	13	15	28	16	20	20	20	20	96	29	2	2	2	2	2	7.4	7.4	7.4	7.4	7.4	25.4	29.4	57.4	44.4	44.4	74.7	86.5	89.7	90.6	90.6			
1SV18EC008	10	12	22	10	5	15	20	20	20	20	6	76	23	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	27.2	27.2	47.2	29.2	18.2	80.0	80.0	73.8	59.6	37.1			
1SV18EC009	10	15	25	10	12	22	19	20	20	20	10	99	30	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	27.6	28.6	48.6	43.6	40.6	81.2	84.1	75.9	89.0	82.9			
1SV18EC010	8	6	14	5	4	9	20	20	20	19	0	79	24	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	25.6	25.6	38.6	30.6	9.6	75.3	75.3	60.3	62.4	19.6			
1SV18EC011	13	13	26	14	12	26	10	20	20	20	9	89	27	2	2	2	2	2	10.2	10.2	10.2	10.2	10.2	22.2	32.2	59.2	45.2	33.2	65.3	94.7	92.5	92.2	67.8			
1SV18EC012	12	10	22	11	4	15	10	6	10	10	10	46	14	2	2	2	2	2	6	6	6	6	6	18	14	41	28	22	52.9	41.2	64.1	57.1	44.9			
1SV18EC013	15	15	30	15	15	30	20	20	20	16	20	96	29	2	2	2	2	2	10	10	10	10	10	32	32	62	43	47	94.1	94.1	96.9	87.8	95.9			
1SV18EC014	12	10	22	15	10	25	20	0	20	20	19	79	24	2	2	2	2	2	7.4	7.4	7.4	7.4	7.4	29.4	9.4	56.4	39.4	38.4	86.5	27.6	66.1	80.4	78.4			
1SV18EC016	15	15	30	10	10	20	10	10	10	10	10	50	15	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	17.4	17.4	42.4	32.4	27.4	51.2	51.2	66.3	66.1	55.9			
1SV18EC018	2	12	14	10	10	20	0	10	10	10	10	40	12	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	6.4	16.4	28.4	28.4	26.4	18.8	48.2	44.4	58.0	53.9			
1SV18EC019	13	12	25	11	10	21	10	10	10	10	3	43	13	2	2	2	2	2	8	8	8	8	8	20	20	44	32	23	58.8	58.8	68.8	65.3	46.9			
1SV18EC020	12	5	18	7	6	13	10	20	20	9	0	59	18	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	17.2	27.2	46.2	21.2	13.2	50.6	80.0	72.2	43.3	26.9			
1SV18EC021	13	13	26	4	5	9	20	20	20	10	9	79	24	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	26.2	26.2	43.2	29.2	20.2	77.1	77.1	67.5	59.6	41.2			
1SV18EC022	12	7	19	11	2	13	10	10	10	5	1	36	11	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	12.2	12.2	25.2	12.2	20.2	35.9	47.6	39.4	27.1	18.8			
1SV18EC023	9	5	14	4	11	15	5	5	5	0	2	17	5	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	24.2	24.2	34.2	21.2	23.2	71.2	71.2	53.4	43.3	47.3			
1SV18EC024	12	10	22	3	5	8	20	20	10	9	0	59	18	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	28.6	28.6	33.6	27.6	13.6	84.1	84.1	52.5	56.3	27.8			
1SV19EC400	0	7	7	10	13	23	20	20	20	10	6	76	23	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	24.2	24.2	34.2	21.2	23.2	71.2	71.2	53.4	43.3	47.3			
1SV19EC401	10	7	17	13	0	13	0	10	10	10	10	40	12	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	24.2	24.2	35.2	27.2	16.2	71.2	71.2	55.0	55.5	33.1			
1SV19EC402	0	3	3	11	2	13	20	20	20	20	10	99	30	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	14.4	14.4	22.4	24.4	20.4	42.4	42.4	35.0	49.8	41.6			
1SV19EC403	4	0	4	4	0	4	10	10	10	20	16	66	20	2	2	2	2	2	1	1	1	1	1	5	5	18	9	10	14.7	14.7	28.1	18.4	20.4			
1SV19EC404	13	5	18	0	7	7	2	2	2	1	0	7	2	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	13.8	13.8	19.8	20.8	13.8	40.6	40.6	30.9	42.4	28.2			
1SV19EC405	4	7	11	2	0	2	10	10	10	10	10	50	15	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	16.2	31.2	31.2	18.2	47.6	47.6	48.8	63.7	37.1			
1SV19EC406	15	15	30	0	6	6	10	10	10	10	6	46	14	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	26.2	26.2	49.2	26.2	12.2	77.1	77.1	76.9	53.5	24.9			
1SV17EE006	11	10	21	12	3	15	20	20	20	10	3	73	22	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	16.2	43.2	21.2	15.2	47.6	47.6	67.5	43.3	31.0			
1SV17EE012	12	5	17	15	3	18	10	10	10	10	6	46	14	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	16.2	43.2	21.2	15.2	47.6	47.6	67.5	43.3	31.0			
1SV18EE002	0	0	0	11	4	15	10	10	10	10	3	43	13	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	16.2	27.2	16.2	13.2	47.6	47.6	42.5	33.1	26.9			
1SV18EE003	5	12	17	8	13	21	20	20	20	10	6	76	23	2	2	2	2	2	9.2	9.2	9.2	9.2	9.2	31.2	31.2	44.2	33.2	30.2	91.8	91.8	69.1	67.8	61.6			
1SV18EE004	5	5	10	12	7	19	5	5	5	5	6	26	8	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	11.2	11.2	28.2	16.2	19.2	32.9	32.9	44.1	33.1	39.2			
1SV18EE005	5	5	10	12	3	15	10	10	10	10	10	50	15	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	17.2	17.2	34.2	22.2	20.2	50.6	50.6	53.4	45.3	41.2			
1SV18EE006	11	2	13	10	10	20	20	20	10	9	0	59	18	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	27.8	27.8	38.8	18.8	17.8	81.8	81.8	60.6	38.4	36.3			
1SV18EE007	5	6	11	3	1	4	0	10	10	10	10	40	12	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	6.2	16.2	24.2	22.2	17.2	18.2	47.6	37.8	45.3	35.1			
1SV18EE008	3	3	6	13	6	19	20	20	20	3	10	73	22	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	24.6	24.6	40.6	10.6	20.6	72.4	72.4	63.4	21.6	42.0			
1SV18EE009	0	0	0	3	6	9	20	10	10	10	9	59	18	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	23.6	13.6	16.6	13.6	18.6	69.4	40.0	25.9	27.8	38.0			
1SV18EE011	8	13	21	12	4	16	3	10	10	10	10	43	13	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	9.2	16.2	36.2	29.2	20.2	27.1	47.6	56.6	59.6	41.2			
1SV18EE012	2	0	2	3	6	9	10	10	10	10	13	53	16	2	2	2	2	2	1	1	1	1	1	13	13	18	13	22	38.2	38.2	28.1	26.5	44.9			
1SV19EE400	15	15	30	2	5	7	3	10	10	10	10	43	13	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	8.2	15.2	32.2	30.2	20.2	44.1	44.7	50.3	61.6	41.2			
1SV19EE401	14	12	26	4	0	4	3	10	10	10	0	33	10	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	6.8	13.8	31.8	25.8	3.8	20.0	40.6	49.7	52.7	7.8			
1SV19EE402	14	15	29	2	2	4	10	10	0	10	10	40	12	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	16.2	22.2	31.2	18.2	47.6	47.6	34.7	63.7	37.1			
1SV19EE403	15	15	30	12	4	16	0	3	10	10	10	33	10	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	4.4	7.4	41.4	29.4	18.4	12.9	21.8	64.7	60.0	37.6			
1SV19EE404	13	15	28	0	2	2	0	10	10	10	3	33	10	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	3.8	13.8	26.8	28.8	8.8	11.2	40.6	41.9	58.8	18.0			
1SV19EE405	15	15	30	4	5	9	5	5	5	0	5	20	6	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	9.8	9.8	28.8										

15V18CS014	15	15	30	15	15	30	19	20	20	20	20	99	30	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	28.2	29.2	59.2	44.2	44.2	82.9	85.9	92.5	90.2	90.2	
15V18CS015	0	0	0	8	15	23	20	20	20	6	0	66	20	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	25.6	25.6	33.6	11.6	20.6	75.3	75.3	52.5	23.7	42.0	
15V18CS017	15	12	27	2	15	17	6	10	10	10	10	46	14	2	2	2	2	2	7	7	7	7	7	15	19	36	31	34	44.1	55.9	56.3	63.3	69.4	
15V18CS019	15	15	30	11	15	26	12	20	20	20	20	92	28	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	20.4	28.4	54.4	43.4	43.4	60.0	83.5	85.0	88.6	88.6	
15V18CS021	10	10	20	4	15	19	3	20	20	20	20	83	25	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	20.4	28.4	54.4	43.4	43.4	60.0	83.5	85.0	88.6	88.6	
15V18CS022	2	12	14	5	15	20	10	10	10	10	19	59	18	2	2	2	2	2	5	5	5	5	5	17	17	24	29	41	50.0	50.0	37.5	59.2	83.7	
15V18CS023	15	15	30	6	15	21	3	10	20	20	20	73	22	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	11.4	18.4	49.4	43.4	43.4	33.5	54.1	77.2	88.6	88.6	
15V18CS024	15	10	25	5	15	20	5	5	5	5	9	96	29	2	2	2	2	2	5	5	5	5	5	12	12	32	22	31	35.3	35.3	50.0	44.9	63.3	
15V18CS025	5	4	9	3	15	18	10	10	10	10	10	50	15	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	16.8	16.8	24.8	20.8	31.8	49.4	49.4	38.8	42.4	64.9	
15V18CS026	13	5	18	4	5	9	10	10	10	10	16	56	17	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	16.2	33.2	21.2	27.2	47.6	47.6	51.9	43.3	55.5	
15V18CS028	3	5	8	4	4	8	0	10	10	10	10	40	12	2	2	2	2	2	0.6	0.6	0.6	0.6	0.6	2.6	12.6	19.6	17.6	16.6	7.6	37.1	30.6	35.9	33.9	
15V18CS029	12	4	16	4	12	16	13	10	10	10	10	53	16	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	21.6	18.6	34.6	22.6	30.6	63.5	54.7	54.1	46.1	62.4	
15V18CS030	0	1	1	5	4	9	10	10	10	10	16	56	17	2	2	2	2	2	3	3	3	3	3	15	15	20	16	25	44.1	44.1	31.3	32.7	51.0	
15V18CS031	11	11	22	11	3	14	3	6	20	20	20	69	21	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	9.6	12.6	48.6	37.6	29.6	28.2	37.1	75.9	76.7	60.4	
15V18CS032	14	12	26	9	12	21	19	20	20	20	20	99	30	2	2	2	2	2	9.4	9.4	9.4	9.4	9.4	30.4	31.4	54.4	43.4	43.4	89.4	92.4	85.0	88.6	88.6	
15V18CS033	11	10	21	9	12	21	6	10	20	20	20	76	23	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	14.4	18.4	48.4	38.4	40.4	42.4	54.1	75.6	78.4	82.4	
15V18CS038	11	12	23	10	12	22	6	20	20	20	20	86	26	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	13.2	27.2	48.2	39.2	39.2	38.8	80.0	75.3	80.0	80.0	
15V18CS039	15	15	30	13	15	28	9	10	20	20	20	79	24	2	2	2	2	2	0	0	0	0	0	11	12	50	37	37	32.4	35.3	78.1	75.5	75.5	
15V18CS042	12	13	26	8	12	20	3	10	20	20	20	73	22	2	2	2	2	2	3	3	3	3	3	8	15	45	38	37	23.5	44.1	70.3	77.6	75.5	
15V18CS043	15	15	30	12	10	22	6	10	20	20	20	76	23	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	19.6	19.6	56.6	44.6	39.6	45.9	57.6	88.4	91.0	80.8	
15V18CS045	5	4	9	11	5	16	5	5	5	5	0	20	6	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	10.2	10.2	26.2	14.2	10.2	30.0	30.0	40.9	29.0	20.8	
15V18CS046	1	0	1	5	12	17	0	10	10	10	10	40	12	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	7.2	17.2	23.2	17.2	29.2	21.2	50.6	36.3	35.1	59.6	
15V19CS400	15	15	30	5	0	5	2	2	2	2	5	13	4	2	2	2	2	2	3	3	3	3	3	7	7	27	22	10	20.6	20.6	42.2	44.9	20.4	
15V19CS401	13	15	28	6	6	12	16	10	10	10	10	56	17	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	22.8	16.8	35.8	31.8	22.8	67.1	49.4	55.9	64.9	46.5	
15V17CV009	6	7	13	4	4	8	6	5	5	10	10	36	11	2	2	2	2	2	1	1	1	1	1	9	8	18	20	17	26.5	23.5	28.1	40.8	34.7	
15V18CV003	12	11	23	15	4	19	6	5	5	10	10	36	11	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	13.4	12.4	39.4	28.4	21.4	39.4	36.5	61.6	58.0	43.7	
15V18CV004	0	0	0	11	5	16	10	10	10	10	6	46	14	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	15.6	15.6	26.6	15.6	16.6	45.9	45.9	41.6	31.8	33.9	
15V18CV007	7	7	14	5	0	5	10	10	10	10	6	46	14	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	16.2	28.2	23.2	12.2	47.6	47.6	44.1	47.3	24.9	
15V18CV008	5	3	8	5	6	11	10	10	10	10	3	43	13	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	17.4	17.4	27.4	20.4	16.4	51.2	51.2	42.8	41.6	33.5	
15V18CV011	11	10	21	13	5	18	10	10	10	10	10	50	15	2	2	2	2	2	6	6	6	6	6	18	18	42	28	23	52.9	52.9	65.6	57.1	46.9	
15V18CV013	15	15	30	14	5	19	9	20	20	20	20	89	27	2	2	2	2	2	10.2	10.2	10.2	10.2	10.2	21.2	32.2	61.2	47.2	37.2	62.4	94.7	95.6	96.3	75.9	
15V18CV014	13	13	26	0	0	6	0	20	20	20	66	20	2	2	2	2	2	2	7.4	7.4	7.4	7.4	7.4	15.4	9.4	42.4	42.4	29.4	45.3	27.6	66.3	86.5	60.0	
15V18CV015	4	5	9	7	8	15	10	10	10	10	6	46	14	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	17.4	17.4	28.4	22.4	21.4	51.2	51.2	44.4	45.7	43.7	
15V18CV017	10	10	20	7	8	15	0	3	20	20	20	63	19	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	6.2	9.2	43.2	36.2	34.2	18.2	27.1	67.5	73.9	69.8	
15V18CV018	13	5	18	10	10	20	12	20	20	20	20	92	28	2	2	2	2	2	10.2	10.2	10.2	10.2	10.2	24.2	32.2	55.2	37.2	42.2	71.2	94.7	86.3	75.9	86.1	
15V18CV019	13	5	18	13	10	23	9	20	20	20	20	89	27	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	17.6	28.6	54.6	33.6	38.6	51.8	84.1	85.3	68.6	78.8	
15V18CV023	5	6	11	3	0	3	10	10	10	10	16	56	17	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	15.4	15.4	23.4	21.4	21.4	45.3	45.3	36.6	43.7	43.7	
15V18CV026	8	7	15	6	5	11	20	20	20	6	0	66	20	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	27.6	27.6	41.6	20.6	12.6	81.2	81.2	65.0	42.0	25.7	
15V18CV027	13	15	28	7	7	14	3	20	20	20	20	83	25	2	2	2	2	2	5	5	5	5	5	10	27	47	42	34	29.4	79.4	73.4	85.7	69.4	
15V18CV028	4	5	9	3	3	6	9	10	20	20	20	79	24	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	15.2	16.2	33.2	31.2	29.2	44.7	47.6	51.9	63.7	59.6	
15V18CV029	4	4	8	4	3	7	10	10	10	10	13	53	16	2	2	2	2	2	5	5	5	5	5	17	17	25	21	23	50.0	50.0	39.1	42.9	46.9	
15V18CV030	11	11	22	15	10	25	9	20	20	20	20	89	27	2	2	2	2	2	7	7	7	7	7	18	29	55	40	39	52.9	85.3	85.9	81.6	79.6	
15V18CV036	14	14	28	15	10	25	6	20	20	20	20	86	26	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	15.2	29.2	58.2	43.2	39.2	44.7	85.9	90.9	88.2	80.0	
15V19CV400	15	15	30	5	0	5	10	10	10	10	13	53	16	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	13.6	13.6	33.6	28.6	16.6	40.0	40.0	52.5	58.4	33.9	
15V19CV402	15	15	30	5	0	5	10	10	10	10	3	43	13	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	17.2	17.2	37.2	32.2	10.2	50.6	50.6	58.1	65.7	20.8	
15V19CV403	5	0	5	7	7	14	19	10	10	10	10	59	18	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	22.2	13.2	25.2	13.2	20.2	65.3	38.8	39.4	26.9	41.2	
15V19CV404	13	15	28	3	3	6	10	10	10	10	40	12	2	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	18.6	18.6	34.6	33.6							



Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

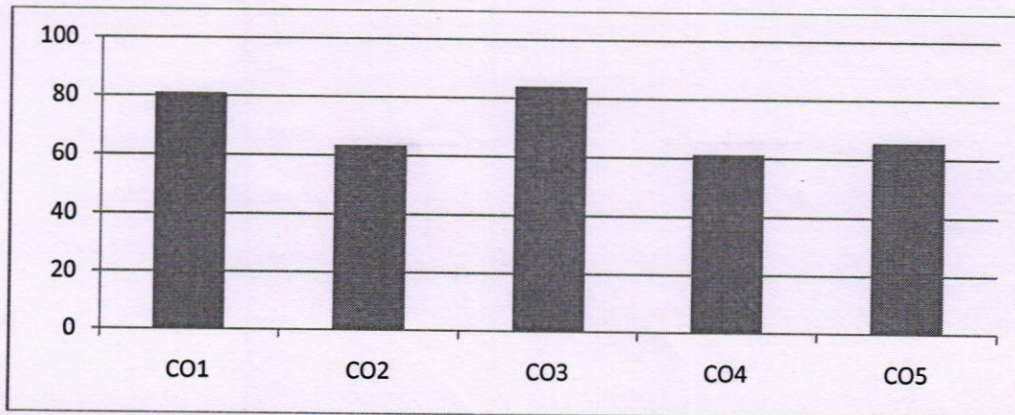
ESTD: 2002



DEPARTMENT OF MATHEMATICS

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY					
FACULTY NAME	Dr. CHETANA C/Prof. RASHMI S B					
BRANCH	ECE/EEE/CSE/CVE/ISE/ME			ACADEMIC YEAR	2019-20	
COURSE	B.E	SEMESTER		II	SECTION	A,B,C,D
SUBJECT	ADVANCED CALCULUS AND NUMERICAL METHODS				SUBJECT CODE	18MAT21
CO & PO MAPPING						

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	81	1.62	2.43	0	0	0	0	0	0	0	0	0	0.81
CO2	63	1.27	1.9	0	0	0	0	0	0	0	0	0	0.63
CO3	84	1.68	2.52	0	0	0	0	0	0	0	0	0	0.84
CO4	61	1.23	1.84	0	0	0	0	0	0	0	0	0	0.61
CO5	65	1.31	1.96	0	0	0	0	0	0	0	0	0	0.65
AVG	71	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.42



Staff in-charge

HOD

PRINCIPAL
SIET., TUMAKURU.
Principal

Academic year 2019-20		SEM II		Total strength		203		Subject		ADVANCED CALCULUS AND NUMERICAL METHODS		Subject Code		21MAT11																	
SEM:II	IA TEST I(30M)			IA TEST 2(30M)			IA TEST 3(60M)					ASSIGNMENT / QUIZ 20 M)					SEE MARKS(50)					Total Cos ATTAINMENT					% of individual CO				
USN	CO5	CO2	TOTAL	CO3	CO1	TOTAL	CO3	CO3	CO1	TOTAL(60)	TOTAL(30)	CO1	CO2	CO3	CO4	CO5	CO1=1	CO2	CO3	CO4	CO5	CO1=4	CO2=2	CO3=6	CO4=1	CO5=2	CO1	CO2	CO3	CO4	CO5
1SV19CS001	11	11	22	15	14	29	20	20	20	60	30	2	2	2	2	2	8.4	8.4	8.4	8.4	8.4	44.4	21.4	65.4	10.4	21.4	94.5	79.3	97.6	86.7	79.3
1SV19CS002	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	38.2	18.2	58.2	3.2	18.2	81.3	67.4	86.9	26.7	67.4
1SV19CS003	14	13	27	14	14	28	18	20	18	58	29	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	38.6	19.6	58.6	6.6	20.6	82.1	72.6	87.5	55	76.3
1SV19CS004	3	3	6	12	14	26	18	20	18	58	29	2	2	2	2	2	2	2	2	2	2	36	7	54	4	7	76.6	25.9	80.6	33.3	25.9
1SV19CS005	7	7	14	14	14	26	20	20	20	60	30	2	2	2	2	2	8.2	8.2	8.2	8.2	8.2	42.2	17.2	64.2	10.2	17.2	89.8	63.7	95.8	85	63.7
1SV19CS006	8	8	16	14	14	28	20	20	20	60	30	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	40.2	14.2	60.2	6.2	14.2	85.5	52.6	89.9	51.7	52.6
1SV19CS007	9	6	15	14	12	26	14	20	20	54	27	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	38.2	12.2	54.2	6.2	15.2	81.3	45.2	80.9	51.7	56.3
1SV19CS008	14	12	26	12	14	26	20	20	20	60	30	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	42.6	20.6	60.6	8.6	22.6	90.6	76.3	90.4	71.7	83.7
1SV19CS009	0	1	1	15	15	30	20	20	20	60	30	2	2	2	2	2	0.6	0.6	0.6	0.6	0.6	37.6	3.6	57.6	2.6	2.6	80	13.3	86	21.7	9.63
1SV19CS010	9	9	18	15	15	30	20	20	20	60	30	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	41.8	15.8	61.8	6.8	15.8	88.9	58.5	92.2	56.7	58.5
1SV19CS011	10	10	20	15	11	26	20	20	20	60	30	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	37.6	16.6	61.6	6.6	16.6	80	61.5	91.9	55	61.5
1SV19CS012	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	44.2	21.2	64.2	9.2	21.2	94	78.5	95.8	76.7	78.5
1SV19CS013	12	12	24	15	15	30	20	20	20	60	30	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	41.2	21.2	61.2	6.2	21.2	87.7	78.5	91.3	51.7	78.5
1SV19CS014	14	13	27	11	15	26	20	20	20	60	30	2	2	2	2	2	9	9	9	9	9	46	24	62	11	25	97.9	88.9	92.5	91.7	92.6
1SV19CS015	14	15	29	15	14	29	20	20	20	60	30	2	2	2	2	2	8.4	8.4	8.4	8.4	8.4	44.4	25.4	65.4	10.4	24.4	94.5	94.1	97.6	86.7	90.4
1SV19CS016	5	5	10	15	11	26	16	20	20	56	28	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	37.8	11.8	57.8	6.8	11.8	80.4	43.7	86.3	56.7	43.7
1SV19CS017	15	15	30	12	12	24	20	20	20	60	30	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	38.2	21.2	58.2	6.2	21.2	81.3	78.5	86.9	51.7	78.5
1SV19CS018	10	10	20	15	14	29	20	20	20	60	30	2	2	2	2	2	5	5	5	5	5	41	17	62	7	17	87.2	63	92.5	58.3	63
1SV19CS019	15	15	30	8	15	23	0	6	20	26	13	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	38.6	18.6	17.6	3.6	18.6	82.1	68.9	26.3	30	68.9
1SV19CS020	14	13	27	15	8	26	20	20	20	60	30	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	38.8	23.8	65.8	10.8	24.8	82.6	88.1	98.2	90	91.9
1SV19CS021	10	9	19	14	11	25	16	20	20	56	28	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	41.8	19.8	60.8	10.8	20.8	88.9	73.3	90.7	90	77
1SV19CS022	14	9	23	9	14	23	18	20	20	58	29	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	41.4	16.4	54.4	7.4	21.4	88.1	60.7	81.2	61.7	79.3
1SV19CS023	5	5	10	12	12	24	20	20	20	60	30	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	38.2	11.2	58.2	6.2	11.2	81.3	41.5	86.9	51.7	41.5
1SV19CS024	15	15	30	14	15	29	20	20	20	60	30	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	39.2	19.2	58.2	4.2	19.2	83.4	71.1	86.9	35	71.1
1SV19CS025	13	14	27	15	15	30	18	20	20	58	29	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	41.2	20.2	59.2	6.2	19.2	87.7	74.8	88.4	51.7	71.1
1SV19CS026	15	13	28	10	9	19	0	8	20	28	14	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	31.4	15.4	20.4	2.4	17.4	66.8	57	30.4	20	64.4
1SV19CS027	10	7	17	12	15	27	20	20	20	60	30	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	41.2	13.2	58.2	6.2	16.2	87.7	48.9	86.9	51.7	60
1SV19CS028	7	10	17	15	14	29	20	20	20	60	30	2	2	2	2	2	8	8	8	8	8	44	20	65	10	17	93.6	74.1	97	83.3	63
1SV19CS029	8	8	16	15	15	30	20	18	20	58	29	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	41.6	14.6	59.6	6.6	14.6	88.5	54.1	89	55	54.1
1SV19CS030	14	14	28	15	15	30	20	18	20	58	29	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	45.8	24.8	63.8	10.8	24.8	97.4	91.9	95.2	90	91.9
1SV19CS031	4	4	8	9	14	23	20	14	20	54	27	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	38.8	8.8	47.8	4.8	8.8	82.6	32.6	71.3	40	32.6
1SV19CS032	10	7	17	15	15	30	20	20	20	60	30	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	44.6	16.6	64.6	9.6	19.6	94.9	61.5	96.4	80	72.6
1SV19CS033	11	11	22	15	12	27	20	20	20	60	30	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	40.2	19.2	63.2	8.2	19.2	85.5	71.1	94.3	68.3	71.1
1SV19CS034	15	15	30	14	15	29	20	20	20	60	30	2	2	2	2	2	9	9	9	9	9	46	26	65	11	26	97.9	96.3	97	91.7	96.3
1SV19CS035	13	14	27	12	12	24	20	20	20	60	30	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	41.2	23.2	61.2	9.2	22.2	87.7	85.9	91.3	76.7	82.2
1SV19CS036	3	3	6	15	15	30	20	20	20	60	30	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	42.4	10.4	62.4	7.4	10.4	90.2	38.5	93.1	61.7	38.5
1SV19CS037	14	11	25	15	15	30	20	20	20	60	30	2	2	2	2	2	5	5	5	5	5	42	18	62	7	21	89.4	66.7	92.5	58.3	77.8
1SV19CS038	8	8	16	15	15	30	20	18	20	58	29	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	42.6	15.6	60.6	7.6	15.6	90.6	57.8	90.4	63.3	57.8
1SV19CS039	13	13	26	15	15	30	20	20	20	60	30	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	24.2	4.2	44.2	4.2	4.2	51.5	15.6	66	35	15.6
1SV19CS040	14	14	28	14	14	28	20	20	20	60	30	2	2	2	2	2	9.6	9.6	9.6	9.6	9.6	45.6	25.6	65.6	11.6	25.6	97	94.8	97.9	96.7	94.8
1SV19CS041	12	14	26	15	12	27	20	20	20	60	30	2	2	2	2	2	8.4	8.4	8.4	8.4	8.4	42.4	24.4	65.4	10.4	22.4	90.2	90.4	97.6	86.7	83
1SV19CS042	15	15	30	11	15	26	20	20	20	60	30	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	43.4	23.4	59.4	8.4	23.4	92.3	86.7	88.7	70	86.7
1SV19CS043	12	12	24	12	15	27	20	18	20	58	29	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	41.2	23.2	56.2	6.2	18.2	87.7	67.4	83.9	51.7	67.4
1SV19CS044	12	12	24	15	15	30	20	20	20	60	30	2	2	2	2	2	6	6	6	6	6	43	20	63	8	20	91.5	74.1	94	66.7	74.1
1SV19CS045	15	12	27	15	15	30	20	18	20	58	29	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	42.8	19.8	60.8	7.8	22.8	91.1	73.3	90.7	65	84.4
1SV19CS046	10	7	17	14	14	28	20	14	20	54	27	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	40.2	13.2	54.2	6.2	16.2	85.5	48.9	80.9	51.7	60
1SV19CS047	14	14	28	15	15	30	20	20	16	56	28	2	2	2	2	2	9	9	9	9	9	42	25	66	11	25	89.4	92.6	98.5	91.7	92.6
1SV19CS048	14	14	28	14	14	28	20	20	20	60	30	2																			

1SV19CS050	14	14	28	15	14	29	20	20	20	60	30	2	2	2	2	2	9.4	9.4	9.4	9.4	9.4	45.4	25.4	66.4	11.4	25.4	96.6	94.1	99.1	95	94.1
1SV19CS051	15	13	28	12	15	27	20	20	16	56	28	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	36.4	5.4	57.4	5.4	5.4	77.4	20	85.7	45	20
1SV19CS052	12	9	21	15	14	29	20	20	0	40	20	2	2	2	2	2	6	6	6	6	6	22	17	63	8	20	46.8	63	94	66.7	74.1
1SV19CS053	15	15	30	14	14	28	20	20	16	56	28	2	2	2	2	2	8.2	8.2	8.2	8.2	8.2	40.2	25.2	64.2	10.2	25.2	85.5	93.3	95.8	85	93.3
1SV19CS054	8	8	16	12	14	26	20	20	0	40	20	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	20.2	14.2	58.2	6.2	14.2	43	52.6	86.9	51.7	52.6
1SV19CS055	13	15	28	15	10	25	20	20	16	56	28	2	2	2	2	2	3	3	3	3	3	31	5	60	5	5	66	18.5	89.6	41.7	18.5
1SV19CS056	11	14	25	14	14	28	20	20	18	58	29	2	2	2	2	2	6	6	6	6	6	40	22	62	8	19	85.1	81.5	92.5	66.7	70.4
1SV19CS058	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	9.8	9.8	9.8	9.8	9.8	46.8	26.8	66.8	11.8	26.8	99.6	99.3	99.7	98.3	99.3
1SV19CS059	14	12	26	15	14	29	20	20	20	60	30	2	2	2	2	2	5	5	5	5	5	41	19	62	7	21	87.2	70.4	92.5	58.3	77.8
1SV19CS060	14	13	27	15	15	30	20	20	20	60	30	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	41.4	19.4	61.4	6.4	20.4	88.1	71.9	91.6	53.3	75.6
1SV19CS061	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	43.6	23.6	63.6	8.6	23.6	92.8	87.4	94.9	71.7	87.4
1SV19CS062	15	15	30	0	0	0	20	20	20	60	30	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	27.6	22.6	47.6	7.6	22.6	58.7	83.7	71	63.3	83.7
1SV19CS063	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	6	6	6	6	6	28	8	48	8	8	59.6	29.6	71.6	66.7	29.6
1SV19CS064	10	7	17	15	15	30	9	9	0	18	9	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	24.6	16.6	42.6	9.6	19.6	52.3	61.5	63.6	80	72.6
1SV19CS065	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	44.6	24.6	64.6	9.6	24.6	94.9	91.1	96.4	80	91.1
1SV19CS066	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	44.6	24.6	64.6	9.6	24.6	94.9	91.1	96.4	80	91.1
1SV19CS067	10	1	11	15	15	30	20	20	20	60	30	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	41.2	7.2	61.2	6.2	16.2	87.7	26.7	91.3	51.7	60
1SV19CS068	10	5	25	10	15	25	10	20	20	50	25	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	26.6	6.6	36.6	6.6	6.6	56.6	24.4	54.6	55	24.4
1SV19CS069	14	15	29	15	15	30	18	20	20	58	29	2	2	2	2	2	6	6	6	6	6	43	23	61	8	22	91.5	85.2	91	66.7	81.5
1SV19CS070	14	14	28	15	15	30	20	20	20	60	30	2	2	2	2	2	11	11	11	11	11	48	27	68	13	27	102	100	101	108	100
1SV19CS071	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	11.4	11.4	11.4	11.4	11.4	48.4	28.4	68.4	13.4	28.4	103	105	102	112	105
1SV19CS072	12	14	26	15	15	30	18	20	20	58	29	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	44.2	23.2	62.2	9.2	21.2	94	85.9	92.8	76.7	78.5
1SV19CS073	12	15	27	15	15	30	16	20	20	56	28	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	39.4	19.4	55.4	4.4	16.4	83.8	71.9	82.7	36.7	60.7
1SV19CS074	12	12	24	15	15	30	20	20	20	60	30	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	40.6	17.6	60.6	5.6	17.6	86.4	65.2	90.4	46.7	65.2
1SV19CS075	11	11	22	15	15	30	20	20	20	60	30	2	2	2	2	2	3	3	3	3	3	40	16	60	5	16	85.1	59.3	89.6	41.7	59.3
1SV19CS076	15	13	28	15	15	30	20	20	20	60	30	2	2	2	2	2	8.6	8.6	8.6	8.6	8.6	45.6	10.6	65.6	10.6	10.6	97	39.3	97.9	88.3	39.3
1SV19CS077	15	14	29	15	15	30	20	20	20	60	30	2	2	2	2	2	6	6	6	6	6	43	22	63	8	23	91.5	81.5	94	66.7	85.2
1SV19CS078	10	7	17	15	13	28	20	20	16	56	28	2	2	2	2	2	6	6	6	6	6	24	15	48	8	18	51.1	55.6	71.6	66.7	66.7
1SV19CS079	14	14	28	15	15	30	20	20	20	60	30	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	42.4	21.4	62.4	7.4	21.4	90.2	79.3	93.1	61.7	79.3
1SV19CS080	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	45.8	25.8	65.8	10.8	25.8	97.4	95.6	98.2	90	95.6
1SV19CS081	14	14	28	15	15	30	20	20	20	60	30	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	43.6	22.6	63.6	8.6	22.6	92.8	83.7	94.9	71.7	83.7
1SV19CS082	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	43.6	23.6	63.6	8.6	23.6	92.8	87.4	94.9	71.7	87.4
1SV19CS083	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	44.6	24.6	64.6	9.6	24.6	94.9	91.1	96.4	80	91.1
1SV19CS084	15	15	30	10	10	20	20	20	20	60	30	2	2	2	2	2	3	3	3	3	3	35	20	55	5	20	74.5	74.1	82.1	41.7	74.1
1SV19CS085	12	13	25	15	15	30	20	20	20	60	30	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	45.8	23.8	65.8	10.8	22.8	97.4	88.1	98.2	90	84.4
1SV19CS086	13	15	28	15	15	30	20	20	16	56	28	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	39.4	8.4	63.4	8.4	8.4	83.8	31.1	94.6	70	31.1
1SV19IS001	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	9.4	9.4	9.4	9.4	9.4	46.4	18.4	66.4	11.4	18.4	98.7	68.1	99.1	95	97.8
1SV19IS003	7	7	14	15	15	30	20	20	20	60	30	2	2	2	2	2	9.4	9.4	9.4	9.4	9.4	46.4	18.4	66.4	11.4	18.4	98.7	68.1	99.1	95	68.1
1SV19IS004	4	4	8	15	15	30	20	20	16	56	28	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	38.2	11.2	62.2	7.2	11.2	81.3	41.5	92.8	60	41.5
1SV19IS005	10	10	20	0	0	0	20	20	20	60	30	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	27.6	17.6	47.6	7.6	17.6	58.7	65.2	71	63.3	65.2
1SV19IS006	12	10	22	15	15	30	20	20	18	58	29	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	40.4	17.4	62.4	7.4	19.4	86	64.4	93.1	61.7	71.9
1SV19IS007	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	44.2	24.2	64.2	9.2	24.2	94	89.6	95.8	76.7	89.6
1SV19IS008	3	2	5	15	15	30	20	20	20	60	30	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	41.2	8.2	61.2	6.2	9.2	87.7	30.4	91.3	51.7	34.1
1SV19IS009	3	6	9	15	15	30	20	20	16	56	28	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	36.2	11.2	60.2	5.2	8.2	77	41.5	89.9	43.3	30.4
1SV19IS010	14	14	28	15	15	30	20	20	20	60	30	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	39.6	18.6	59.6	4.6	18.6	84.3	68.9	89	38.3	68.9
1SV19IS011	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	44.8	24.8	64.8	9.8	24.8	95.3	91.9	96.7	81.7	91.9
1SV19IS012	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	7	7	7	7	7	44	24	64	9	24	93.6	88.9	95.5	75	88.9
1SV19IS013	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	6	6	6	6	6	43	23	63	8	23	91.5	85.2	94	66.7	85.2
1SV19IS014	9	7	16	15	15	30	20	20	18	58	29	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	37.6	11.6	59.6	4.6	13.6	80	43	89	38.3	50.4
1SV19IS015	14	9	23	15	15	30	20	20	20	60	30	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	42.4	16.4	62.4	7.4	21.4	90.2	60.7	93.1	61.7	79.3
1SV19IS016																															

1SV19IS019	12	14	26	15	15	30	20	20	20	60	30	2	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	44.6	23.6	64.6	9.6	21.6	94.9	87.4	96.4	80	80
1SV19IS020	9	9	18	13	12	25	0	0	0	0	0	2	2	2	2	2	2	3	3	3	3	3	17	14	18	5	14	36.2	51.9	26.9	41.7	51.9
1SV19IS021	5	5	10	12	13	25	0	0	0	0	0	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	17.2	9.2	16.2	4.2	9.2	36.6	34.1	24.2	35	34.1	
1SV19IS022	15	8	23	0	0	0	16	20	20	56	28	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	26.2	14.2	42.2	6.2	21.2	55.7	52.6	63	51.7	78.5	
1SV19IS023	15	15	30	14	14	28	20	20	20	60	30	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	41.8	22.8	61.8	7.8	22.8	88.9	84.4	92.2	65	84.4	
1SV19IS024	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	8	8	8	8	8	45	25	65	10	25	95.7	92.6	97	83.3	92.6	
1SV19IS025	13	13	26	12	12	24	20	20	20	60	30	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	38.8	19.8	58.8	6.8	19.8	82.6	73.3	87.8	56.7	72.3	
1SV19IS026	10	10	20	12	13	25	18	20	20	58	29	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	37.6	14.6	54.6	4.6	14.6	80	54.1	81.5	38.3	54.1	
1SV19IS027	15	15	30	15	14	29	18	20	20	58	29	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	42.8	23.8	61.8	8.8	23.8	91.1	88.1	92.2	73.3	88.1	
1SV19EC004	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	10.8	10.8	10.8	10.8	10.8	23	40	16.1	90	40	
1SV19EC007	10	12	22	13	13	26	20	20	20	60	30	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	39.8	18.8	59.8	6.8	16.8	84.7	69.6	89.3	56.7	62.2	
1SV19EC009	10	4	14	10	8	18	0	0	0	0	0	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	14.6	10.6	16.6	6.6	16.6	31.1	39.3	24.8	55	61.5	
1SV19EC024	0	0	0	10	0	0	10	20	20	50	25	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	25.2	5.2	45.2	5.2	5.2	53.6	19.3	67.5	43.3	19.3	
1SV19EC028	7	0	7	10	14	24	16	20	20	56	28	2	2	2	2	2	2	2	2	2	2	38	4	50	4	11	80.9	14.8	74.6	33.3	40.7	
1SV19EC031	10	2	12	13	13	26	14	20	20	54	27	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	38.8	7.8	52.8	5.8	15.8	82.6	28.9	78.8	48.3	58.5	
1SV19EE002	10	8	18	13	13	26	12	20	20	52	26	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	36.6	11.6	48.6	3.6	13.6	77.9	43	72.5	30	50.4	
1SV19EE004	10	11	21	10	15	25	20	20	20	60	30	2	2	2	2	2	9.2	9.2	9.2	9.2	9.2	46.2	22.2	61.2	11.2	21.2	98.3	82.2	91.3	93.3	78.5	
1SV19EE005	10	9	19	13	13	26	14	20	20	54	27	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	39.2	15.2	53.2	6.2	16.2	83.4	56.3	79.4	51.7	60	
1SV19EE008	10	7	17	15	14	29	12	20	20	52	26	2	2	2	2	2	5	5	5	5	5	41	14	54	7	17	87.2	51.9	80.6	58.3	63	
1SV19EE009	10	13	23	0	0	0	4	20	20	44	22	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	27.6	20.6	31.6	7.6	17.6	58.7	76.3	47.2	63.3	65.2	
1SV19EE014	0	1	1	10	14	24	10	10	10	30	15	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	28.4	5.4	34.4	4.4	4.4	60.4	20	51.3	36.7	16.3	
1SV19EE015	10	2	12	10	10	0	20	10	20	50	25	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	34.8	6.8	44.8	4.8	14.8	74	25.2	66.9	40	54.8	
1SV19EE016	10	7	17	14	15	29	20	14	20	54	27	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	41.2	13.2	54.2	6.2	16.2	87.7	48.9	80.9	51.7	60	
1SV19EE019	10	3	13	0	0	0	10	10	8	28	14	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	14.2	9.2	26.2	6.2	16.2	30.2	34.1	39.1	51.7	60	
1SV19ME003	0	4	4	13	13	26	20	18	20	58	29	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	37.8	8.8	55.8	4.8	4.8	80.4	32.6	83.3	40	17.8	
1SV19ME004	10	4	14	13	13	26	20	18	18	58	29	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	36.4	9.4	58.4	5.4	15.4	77.4	34.8	87.2	45	57	
1SV19ME005	10	5	15	10	8	18	20	18	18	58	29	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	32.2	11.2	56.2	6.2	16.2	68.5	41.5	83.9	51.7	60	
1SV19ME011	0	0	0	13	13	26	20	20	10	50	25	2	2	2	2	2	0.8	0.8	0.8	0.8	0.8	4.8	25.8	2.8	55.8	2.8	2.8	54.9	10.4	83.3	23.3	10.4
1SV19ME013	10	11	21	13	14	27	4	4	5	26	13	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	24.6	16.6	26.6	5.6	15.6	52.3	61.5	39.7	46.7	57.8	
1SV19ME014	5	5	10	0	0	0	0	0	0	0	0	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	4.6	9.6	4.6	4.6	9.6	9.79	35.6	6.87	38.3	35.6	
1SV19CV001	10	4	14	15	15	30	20	20	18	58	29	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	39.6	10.6	61.6	6.6	16.6	84.3	39.3	91.9	55	61.5	
1SV19CV003	0	0	0	10	14	24	20	10	6	36	18	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	26.2	6.2	46.2	6.2	6.2	55.7	23	69	51.7	23	
1SV19CV004	10	10	20	10	14	24	20	20	6	46	23	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	25.8	15.8	55.8	5.8	15.8	54.9	58.5	83.3	48.3	58.5	
1SV19CV005	0	0	0	10	14	24	20	20	16	56	28	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	33.6	3.6	53.6	3.6	3.6	71.5	13.3	80	30	13.3	
1SV19CV006	0	5	5	13	13	26	20	20	14	54	27	2	2	2	2	2	0.2	0.2	0.2	0.2	0.2	29.2	7.2	55.2	2.2	2.2	62.1	26.7	82.4	18.3	8.15	
1SV19CV007	10	11	21	10	15	25	20	20	18	58	29	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	37.8	15.8	54.8	4.8	14.8	80.4	58.5	81.8	40	54.8	
1SV19CV008	0	0	0	10	14	24	7	7	0	14	7	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	18.2	4.2	28.2	4.2	4.2	38.7	15.6	42.1	35	15.6	
1SV19CV011	10	2	12	13	13	26	14	20	20	54	27	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	36.6	5.6	50.6	3.6	13.6	77.9	20.7	75.5	30	50.4	
1SV19CV014	10	9	19	0	0	0	0	0	0	0	0	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	6.2	15.2	6.2	6.2	16.2	13.2	56.3	9.25	51.7	60	
1SV19CV015	10	11	21	10	14	24	20	20	8	48	24	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	28.2	17.2	56.2	6.2	16.2	60	63.7	83.9	51.7	60	
1SV19CV016	10	6	16	12	15	27	20	20	20	60	30	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	38.2	9.2	55.2	3.2	13.2	81.3	34.1	82.4	26.7	48.9	
1SV19CV018	0	0	0	0	0	0	20	20	10	50	25	2	2	2	2	2	1.4	1.4	1.4	1.4	1.4	13.4	3.4	43.4	3.4	3.4	28.5	12.6	64.8	28.3	12.6	
1SV19CV019	10	15	25	14	14	28	20	20	20	60	30	2	2	2	2	2	3	3	3	3	3	39	20	59	5	15	83	74.1	88.1	41.7	55.6	
1SV19CV020	10	0	0	0	0	0	10	10	18	38	19	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	24.2	6.2	26.2	6.2	16.2	51.5	23	39.1	51.7	60	
1SV19CV021	10	12	22	13	13	26	20	20	16	56	28	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	35.2	18.2	59.2	6.2	16.2	74.9	67.4	88.4	51.7	60	
1SV19CV022	0	0	0	10	12	22	20	20	20	60	30	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	36.6	4.6	54.6	4.6	4.6	77.9	17	81.5	38.3	17	
1SV19CV023	0	0	0	15	0	0	0	0	0	0	0	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	6.2	21.2	6.2	6.2	13.2	23	31.6	51.7	23		
1SV19CV024	10	7	17	15	15	30	16	20	20	56	28	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	39.2	11.2	55.2	4.2	14.2	83.4	41.5	82.4	35	52.6	
1SV19CV025	3	0	3	15	15	30	20	20	20	60	30	2	2	2	2	2	1	1	1	1	1	38	3	58	3	6	80.9	11.1	86.6	25	22.2	
1SV19CV027	10	12	22	14	14	28	8	20	20	48	24	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	40.2	18.2	48.2	6.2	16.2	85.5	67.4	71.9	51.7	60	
1SV19CV030	14	14																														

1SV19EC00	10	9	19	15	15	30	20	20	20	60	30	2	2	2	2	2	10	10	10	10	10	47	21	67	12	22	100	77.8	100	100	81.5
1SV19EC00	10	8	18	15	15	30	20	20	20	60	30	2	2	2	2	2	10	10	10	10	10	47	20	67	12	22	100	74.1	100	100	81.5
1SV19EC00	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	7.4	7.4	7.4	7.4	7.4	44.4	24.4	64.4	9.4	24.4	94.5	90.4	96.1	78.3	90.4
1SV19EC00	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	43.6	23.6	63.6	8.6	23.6	92.8	87.4	94.9	71.7	87.4
1SV19EC00	10	15	25	15	15	30	20	20	20	60	30	2	2	2	2	2	6	6	6	6	6	43	23	63	8	18	91.5	85.2	94	66.7	66.7
1SV19EC00	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	43.4	23.4	63.4	8.4	23.4	92.3	86.7	94.6	70	86.7
1SV19EC01	9	0	9	15	15	30	20	20	20	60	30	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	41.6	6.6	61.6	6.6	15.6	88.5	24.4	91.9	55	57.8
1SV19EC01	10	10	20	15	15	30	20	20	20	60	30	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	42.2	17.2	62.2	7.2	17.2	89.8	63.7	92.8	60	63.7
1SV19EC01	0	0	0	15	15	30	20	20	20	60	30	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	43.4	8.4	63.4	8.4	8.4	92.3	31.1	94.6	70	31.1
1SV19EC01	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	6	6	6	6	6	43	23	63	8	23	91.5	85.2	94	66.7	85.2
1SV19EC01	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	43.4	23.4	63.4	8.4	23.4	92.3	86.7	94.6	70	86.7
1SV19EC01	14	14	28	15	15	30	20	20	20	60	30	2	2	2	2	2	7	7	7	7	7	44	23	64	9	23	93.6	85.2	95.5	75	85.2
1SV19EC01	0	0	0	15	15	30	20	20	20	60	30	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	43.2	8.2	63.2	8.2	8.2	91.9	30.4	94.3	68.3	30.4
1SV19EC01	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	7	7	7	7	7	44	24	64	9	24	93.6	88.9	95.5	75	88.9
1SV19EC01	12	15	27	15	15	30	20	20	20	60	30	2	2	2	2	2	6	6	6	6	6	43	23	63	8	20	91.5	85.2	94	66.7	74.1
1SV19EC02	10	5	15	15	15	30	20	20	20	60	30	2	2	2	2	2	10	10	10	10	10	47	17	67	12	22	100	63	100	100	81.5
1SV19EC02	12	15	27	15	15	30	20	20	20	60	30	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	42.6	22.6	62.6	7.6	19.6	90.6	83.7	93.4	63.3	72.6
1SV19EC02	10	8	18	15	15	30	20	20	20	60	30	2	2	2	2	2	7	7	7	7	7	44	17	64	9	19	93.6	63	95.5	75	70.4
1SV19EC02	15	15	30	15	15	30	0	5	5	10	5	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	27.2	22.2	27.2	7.2	22.2	57.9	82.2	40.6	60	82.2
1SV19EC02	0	0	0	15	15	30	20	20	16	56	28	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	39.8	23.8	63.8	8.8	23.8	84.7	88.1	95.2	73.3	88.1
1SV19EC03	5	6	11	15	15	30	20	20	20	60	30	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	43.4	14.4	63.4	8.4	13.4	92.3	53.3	94.6	70	49.6
1SV19EE00	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	41.4	21.4	61.4	6.4	21.4	88.1	79.3	91.6	53.3	79.3
1SV19EE00	0	0	0	15	15	30	20	20	20	60	30	2	2	2	2	2	5	5	5	5	5	42	7	62	7	7	89.4	25.9	92.5	58.3	25.9
1SV19EE00	10	12	22	15	15	30	20	20	20	60	30	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	43.6	20.6	63.6	8.6	18.6	92.8	76.3	94.9	71.7	68.9
1SV19EE01	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	43.6	23.6	63.6	8.6	23.6	92.8	87.4	94.9	71.7	87.4
1SV19EE01	14	14	28	15	15	30	20	20	16	56	28	2	2	2	2	2	5	5	5	5	5	38	21	62	7	21	80.9	77.8	92.5	58.3	77.8
1SV19EE01	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	42.6	22.6	62.6	7.6	22.6	90.6	83.7	93.4	63.3	83.7
1SV19EE01	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	41.8	21.8	61.8	6.8	21.8	88.9	80.7	92.2	56.7	80.7
1SV19EE01	10	10	20	15	15	30	20	20	20	60	30	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	41.8	16.8	61.8	6.8	16.8	88.9	62.2	92.2	56.7	62.2
1SV19EE02	12	15	27	15	15	30	20	20	16	56	28	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	38.4	22.4	62.4	7.4	19.4	81.7	83	93.1	61.7	71.9
1SV19ME0	10	10	20	15	15	30	20	20	20	60	30	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	42.4	17.4	62.4	7.4	17.4	90.2	64.4	93.1	61.7	64.4
1SV19ME0	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	42.6	22.6	62.6	7.6	22.6	90.6	83.7	93.4	63.3	83.7
1SV19ME0	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	41.6	21.6	61.6	6.6	21.6	88.5	80	91.9	55	80
1SV19ME0	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	41.4	21.4	61.4	6.4	21.4	88.1	79.3	91.6	53.3	79.3
1SV19ME0	10	13	23	15	15	30	20	20	20	60	30	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	41.2	19.2	61.2	6.2	16.2	87.7	71.1	91.3	51.7	60
1SV19ME0	15	15	30	15	15	30	0	0	0	0	0	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	22.6	22.6	22.6	7.6	22.6	46.1	83.7	33.7	63.3	83.7
1SV19CV00	10	11	21	0	0	0	10	6	0	16	8	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	7.8	18.8	23.8	7.8	17.8	16.6	69.6	35.5	65	65.9
1SV19CV00	10	5	15	15	15	30	20	20	20	60	30	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	42.2	12.2	62.2	7.2	17.2	89.8	45.2	92.8	60	63.7
1SV19CV00	10	15	25	15	15	30	20	20	20	60	30	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	43.2	23.2	63.2	8.2	18.2	91.9	85.9	94.3	68.3	67.4
1SV19CV01	15	15	30	15	15	30	20	20	20	60	30	2	2	2	2	2	7	7	7	7	7	44	24	64	9	24	93.6	88.9	95.5	75	88.9



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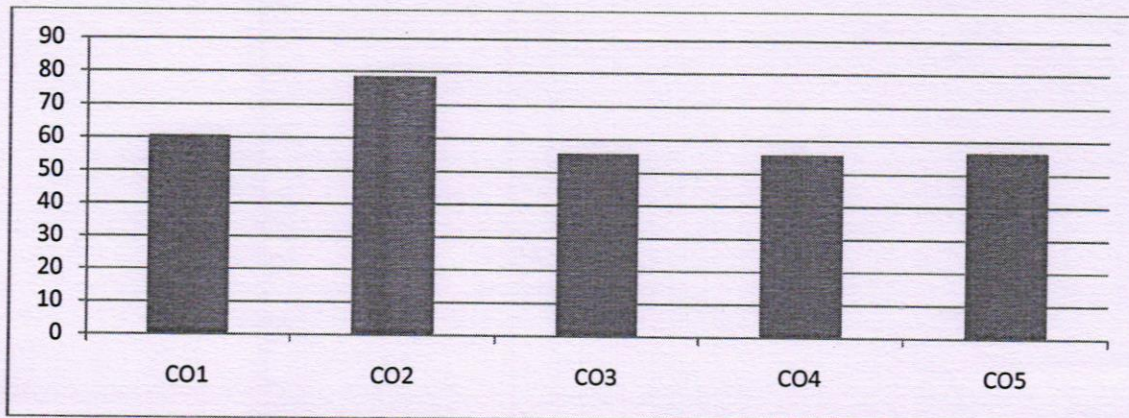
Sira Road, Tumkur - 572 106, Karnataka, India.
 Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org
 (Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF MATHEMATICS

COLLEGE		SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY			
FACULTY NAME		/Dr. CHETANA C/Prof. RASHMI S B			
BRANCH		ECE/EEE/CSE/CVE/ISE/ME	ACADEMIC YEAR		2019-20
COURSE	B.E	SEMESTER		IV	SECTION
					--
SUBJECT		COMPLEX ANALYSIS, PROBABILITY AND STATISTICAL METHODS		SUBJECT CODE	18MAT41
CO & PO MAPPING					

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	61	1.21	1.82	0	0	0	0	0	0	0	0	0	0.61
CO2	79	1.57	2.36	0	0	0	0	0	0	0	0	0	0.79
CO3	56	1.12	1.68	0	0	0	0	0	0	0	0	0	0.56
CO4	56	1.12	1.67	0	0	0	0	0	0	0	0	0	0.56
CO5	57	1.13	1.70	0	0	0	0	0	0	0	0	0	0.57
AVG	62	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.23



Staff in-charge

HOD

PRINCIPAL
 SIET, Principal

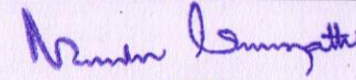
Academic year	2019-20		SEM	4th	Subject										methods					Subject Code					18MAT41					SEE Tot				
SEM-IV	IA TEST 1(30M)			IA TEST 2(30M)			IA TEST 3(60M)			ASSIGNMENT / QUIZ(10 M)					SEE MARKS(60)					Total Cos ATTAINMENT					% of individual CO					SEE Tot				
USN	CO1	CO4	TOTAL	CO5	CO2	TOTAL	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1=1	CO2=1	CO3=1	CO4=1	CO5=1	CO1=2	CO2=2	CO3=1	CO4=2	CO5=8	CO1	CO2	CO3	CO4	CO5	60M					
1SV17EC012	8	7	15	15	15	30	28	56	2	2	2	2	2	8	8	8	8	8	18	25	10	17	53	66.7	92.6	83.3	63.0	60.9	40					
1SV18EC002	15	14	29	15	15	30	28	56	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	22	22	7	21	50	82.2	82.2	60.0	78.5	57.7	26					
1SV18EC004	12	12	24	0	0	0	27	54	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	21	9	9	21	36	76.3	31.9	71.7	76.3	40.9	33					
1SV18EC005	13	13	26	15	15	30	26	52	2	2	2	2	2	9.8	9.8	9.8	9.8	9.8	25	27	12	25	53	91.9	99.3	98.3	91.9	60.7	49					
1SV18EC006	15	15	30	15	15	30	28	56	2	2	2	2	2	7.4	7.4	7.4	7.4	7.4	24	24	9	24	52	90.4	90.4	78.3	90.4	60.2	37					
1SV18EC007	15	15	30	15	15	30	28	56	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	22	22	7	22	50	82.2	82.2	60.0	82.2	57.7	26					
1SV18EC008	15	14	19	15	15	30	26	52	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	24	24	9	23	50	87.4	87.4	71.7	83.7	57.0	33					
1SV18EC009	0	0	0	15	15	30	26	52	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	6	21	6	6	47	20.7	76.3	46.7	20.7	53.6	18					
1SV18EC010	14	8	22	15	15	30	26	52	2	2	2	2	2	10.2	10.2	10.2	10.2	10.2	26	27	12	20	53	97.0	100.7	101.7	74.8	61.1	51					
1SV18EC011	15	15	30	15	15	30	28	56	2	2	2	2	2	6	6	6	6	6	23	23	8	23	51	85.2	85.2	66.7	85.2	58.6	30					
1SV18EC012	0	0	0	12	14	26	26	52	2	2	2	2	2	10	10	10	10	10	12	26	12	12	50	44.4	96.3	100.0	44.4	57.5	50					
1SV18EC013	14	15	29	15	15	30	28	56	2	2	2	2	2	7.4	7.4	7.4	7.4	7.4	23	24	9	24	52	86.7	90.4	78.3	90.4	60.2	37					
1SV18EC014	14	14	28	15	15	30	28	56	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	21	22	7	21	50	79.3	83.0	61.7	79.3	57.9	27					
1SV18EC016	0	0	0	14	15	29	28	56	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	6	21	6	6	48	23.7	79.3	53.3	23.7	55.6	22					
1SV18EC018	12	5	17	15	15	30	28	56	2	2	2	2	2	8	8	8	8	8	22	25	10	15	53	81.5	92.6	83.3	55.6	60.9	40					
1SV18EC019	12	5	17	15	15	30	26	52	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	19	22	7	12	48	71.1	82.2	60.0	45.2	55.4	26					
1SV18EC020	7	5	12	15	15	30	28	56	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	13	21	6	11	49	48.9	78.5	51.7	41.5	56.6	21					
1SV18EC021	9	11	20	15	15	30	26	52	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	15	21	6	17	47	56.3	78.5	51.7	63.7	54.3	21					
1SV18EC022	0	0	0	4	6	10	26	52	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	7	13	7	7	37	26.7	48.9	60.0	26.7	42.8	26					
1SV18EC023	15	8	26	15	15	30	28	56	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	24	24	9	17	52	87.4	87.4	71.7	61.5	59.3	33					
1SV18EC024	0	0	0	15	15	30	26	52	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	4	19	4	4	45	15.6	71.1	35.0	15.6	52.0	11					
1SV19EC400	10	2	12	13	15	28	26	52	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16	21	6	8	45	60.0	78.5	51.7	30.4	52.0	21					
1SV19EC401	12	5	17	15	15	30	28	56	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	16	19	4	9	47	60.0	71.1	35.0	34.1	54.3	11					
1SV19EC402	5	5	10	15	15	30	27	54	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	9	19	4	9	46	34.8	71.9	36.7	34.8	53.3	12					
1SV19EC403	4	4	8	15	15	30	28	56	2	2	2	2	2	1	1	1	1	1	7	18	3	7	46	25.9	66.7	25.0	25.9	52.9	5					
1SV19EC404	3	5	8	15	15	30	28	56	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	7	19	4	9	47	25.2	69.6	31.7	32.6	53.8	9					
1SV19EC405	3	7	10	15	15	2	27	54	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	9	21	6	13	48	34.1	78.5	51.7	48.9	55.4	21					
1SV17EE006	15	15	30	15	15	30	30	60	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	21	21	6	21	51	78.5	78.5	51.7	78.5	58.9	21					
1SV17EE012	15	1	16	15	15	30	25	50	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	21	21	6	7	46	78.5	78.5	51.7	26.7	53.1	21					
1SV17EE006	15	6	21	13	15	28	17	34	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	21	21	6	12	36	78.5	78.5	51.7	45.2	41.6	21					
1SV17EE012	15	14	29	14	15	29	30	60	2	2	2	2	2	9.2	9.2	9.2	9.2	9.2	26	26	11	25	55	97.0	97.0	93.3	93.3	63.4	46					
1SV18EE002	15	4	19	11	14	25	29	58	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	21	20	6	10	46	78.5	74.8	51.7	37.8	53.1	21					
1SV18EE003	11	15	26	15	15	30	30	60	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	18	22	7	22	52	67.4	82.2	60.0	82.2	60.0	26					
1SV18EE004	2	0	2	15	14	29	29	58	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	10	22	8	8	52	36.3	80.7	65.0	28.9	59.5	29					
1SV18EE005	5	8	13	15	15	30	30	60	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	11	21	6	14	51	41.5	78.5	51.7	52.6	58.9	21					
1SV18EE006	5	5	10	15	15	30	28	56	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	10	20	5	10	48	35.6	72.6	38.3	35.6	54.7	13					
1SV18EE007	10	5	15	15	14	29	30	60	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	14	18	4	9	49	50.4	65.2	30.0	31.9	55.9	8					
1SV18EE008	11	10	21	15	15	30	22	44	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	17	21	6	16	43	63.7	78.5	51.7	60.0	49.7	21					
1SV18EE009	2	9	11	15	13	28	30	60	2	2	2	2	2	1	1	1	1	1	5	16	3	12	48	18.5	59.3	25.0	44.4	55.2	5					
1SV19EE400	5	4	9	15	15	30	30	60	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	10	20	5	9	50	37.8	74.8	43.3	34.1	57.7	16					
1SV19EE401	5	10	15	15	15	30	30	60	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	9	19	4	14	49	32.6	69.6	31.7	51.1	56.1	9					
1SV19EE402	5	5	10	15	15	30	30	60	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	11	21	6	11	51	41.5	78.5	51.7	41.5	58.9	21					
1SV19EE403	12	5	17	15	14	29	30	60	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	16	18	4	9	49	60.7	68.1	36.7	34.8	56.8	12					
1SV19EE404	13	10	23	15	15	30	30	60	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	17	19	4	14	49	62.2	69.6	31.7	51.1	56.1	9					
1SV19EE405	7	6	13	15	14	29	29	58	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	12	19	5	11	49	43.7	69.6	40.0	40.0	56.1	14					
1SV17CS011	15	12	27	15	15	30	29	58	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	19	19	4	16	48	69.6	69.6	31.7	58.5	54.9	9					
1SV17CS015	5	5	10	15	15	30	28	56	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	7	17	2	7	45	27.4	64.4	20.0	27.4	52.2	2					
1SV17CS018	0	0	0	15	15	30	29	58	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	6	21	6	6	50	20.7	76.3	46.7	20.7	57.0	18					
1SV17CS024	5	5	10	15	15	30	29	58	2	2	2	2	2	2	2	2	2	2	9	19	4	9	48	33.3	70.4	33.3	33.3	55.2	10					

1SV17CS027	12	10	22	15	15	30	29	58	2	2	2	2	2	2	2	2	2	2	16	19	4	14	48	59.3	70.4	33.3	51.9	55.2	10	
1SV17CS034	0	0	0	10	15	25	29	58	2	2	2	2	2	0.6	0.6	0.6	0.6	0.6	3	18	3	3	42	9.6	65.2	21.7	9.6	47.8	3	
1SV18CS001	0	0	0	15	15	30	29	58	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	6	21	6	6	50	23.0	78.5	51.7	23.0	57.7	21	
1SV18CS003	15	12	27	15	15	30	30	60	2	2	2	2	2	6	6	6	6	6	23	23	8	20	53	85.2	85.2	66.7	74.1	60.9	30	
1SV18CS004	13	5	18	15	15	30	29	58	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	20	22	7	12	51	73.3	80.7	56.7	43.7	58.4	24	
1SV18CS005	15	12	27	15	15	30	30	60	2	2	2	2	2	11.2	11.2	11.2	11.2	11.2	28	28	13	25	58	104.4	104.4	110.0	93.3	66.9	56	
1SV18CS007	15	14	29	15	15	30	30	60	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	23	23	8	22	53	86.7	86.7	70.0	83.0	61.4	32	
1SV18CS008	0	0	0	15	15	30	29	58	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	7	22	7	7	51	24.4	80.0	55.0	24.4	58.2	23	
1SV18CS011	13	10	23	15	15	30	29	58	2	2	2	2	2	7.4	7.4	7.4	7.4	7.4	22	24	9	19	53	83.0	90.4	78.3	71.9	61.4	37	
1SV18CS014	15	15	30	15	15	30	30	60	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	24	24	9	24	54	89.6	89.6	76.7	89.6	62.3	36	
1SV18CS015	15	10	25	15	15	30	29	58	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	21	21	6	16	50	76.3	76.3	46.7	57.8	57.0	18	
1SV18CS017	15	15	30	15	15	30	29	58	2	2	2	2	2	7	7	7	7	7	24	24	9	24	53	88.9	88.9	75.0	88.9	60.9	35	
1SV18CS019	13	15	28	15	15	30	29	58	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	21	23	8	23	52	79.3	86.7	70.0	86.7	60.2	32	
1SV18CS021	15	15	30	15	15	30	30	60	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	23	23	8	23	53	85.9	85.9	68.3	85.9	61.1	31	
1SV18CS022	0	0	0	15	15	30	29	58	2	2	2	2	2	5	5	5	5	5	7	22	7	7	51	25.9	81.5	58.3	25.9	58.6	25	
1SV18CS023	0	0	0	15	15	30	29	58	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	8	23	8	8	52	31.1	86.7	70.0	31.1	60.2	32	
1SV18CS024	15	15	30	15	15	30	30	60	2	2	2	2	2	5	5	5	5	5	22	22	7	22	52	81.5	81.5	58.3	81.5	59.8	25	
1SV18CS025	10	14	24	15	15	30	29	58	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	17	22	7	21	51	62.2	80.7	56.7	77.0	58.4	24	
1SV18CS026	16	10	16	15	15	30	29	58	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	22	21	6	16	50	82.2	78.5	51.7	60.0	57.7	21	
1SV18CS028	5	13	18	15	15	30	29	58	2	2	2	2	2	0.6	0.6	0.6	0.6	0.6	8	18	3	16	47	28.1	65.2	21.7	57.8	53.6	3	
1SV18CS029	15	15	30	15	15	30	29	58	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	24	24	9	24	53	87.4	87.4	71.7	87.4	60.5	33	
1SV18CS030	0	0	0	15	14	29	27	54	2	2	2	2	2	3	3	3	3	3	3	5	19	5	5	47	18.5	70.4	41.7	18.5	54.0	15
1SV18CS031	10	12	22	15	15	30	29	58	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	17	22	7	19	51	61.5	80.0	55.0	68.9	58.2	23	
1SV18CS032	0	0	0	15	15	30	28	56	2	2	2	2	2	9.4	9.4	9.4	9.4	9.4	11	26	11	11	54	42.2	97.8	95.0	42.2	62.5	47	
1SV18CS033	18	10	28	15	15	30	29	58	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	26	23	8	18	52	97.8	86.7	70.0	68.1	60.2	32	
1SV18CS038	15	15	30	15	15	30	29	58	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	22	22	7	22	51	82.2	82.2	60.0	82.2	58.9	26	
1SV18CS039	10	13	28	15	15	30	29	58	2	2	2	2	2	0	0	0	0	0	12	17	2	15	46	44.4	63.0	16.7	55.6	52.9	0	
1SV18CS042	13	10	23	15	15	30	29	58	2	2	2	2	2	3	3	3	3	3	18	20	5	15	49	66.7	74.1	41.7	55.6	56.3	15	
1SV18CS043	10	14	24	15	15	30	29	58	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	20	25	10	24	54	72.6	91.1	80.0	87.4	61.6	38	
1SV18CS045	0	0	0	15	15	30	29	58	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	5	20	5	5	49	19.3	74.8	43.3	19.3	56.6	16	
1SV18CS046	15	10	25	15	15	30	29	58	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	22	22	7	17	51	82.2	82.2	60.0	63.7	58.9	26	
1SV19CS400	13	15	28	15	15	30	28	56	2	2	2	2	2	3	3	3	3	3	18	20	5	20	48	66.7	74.1	41.7	74.1	55.2	15	
1SV19CS401	10	10	20	15	15	30	29	58	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	17	22	7	17	51	62.2	80.7	56.7	62.2	58.4	24	
1SV17CV009	10	3	13	15	15	30	29	58	2	2	2	2	2	1	1	1	1	1	13	18	3	6	47	48.1	66.7	25.0	22.2	54.0	5	
1SV18CV003	15	13	28	15	15	30	28	56	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	22	22	7	20	50	83.0	83.0	61.7	75.6	57.9	27	
1SV18CV004	14	4	18	15	15	30	29	58	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	20	21	6	10	50	72.6	76.3	46.7	35.6	57.0	18	
1SV18CV007	12	10	22	15	15	30	25	50	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	18	21	6	16	46	67.4	78.5	51.7	60.0	53.1	21	
1SV18CV008	10	10	20	14	15	29	30	60	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	17	22	7	17	51	64.4	83.0	61.7	64.4	59.1	27	
1SV18CV011	15	15	30	15	15	30	30	60	2	2	2	2	2	6	6	6	6	6	23	23	8	23	53	85.2	85.2	66.7	85.2	60.9	30	
1SV18CV013	15	15	30	15	15	30	30	60	2	2	2	2	2	10.2	10.2	10.2	10.2	10.2	27	27	12	27	57	100.7	100.7	101.7	100.7	65.7	51	
1SV18CV014	15	15	30	15	15	30	30	60	2	2	2	2	2	7.4	7.4	7.4	7.4	7.4	24	24	9	24	54	90.4	90.4	78.3	90.4	62.5	37	
1SV18CV015	15	14	29	4	15	19	20	40	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	22	22	7	21	31	83.0	83.0	61.7	79.3	36.1	27	
1SV18CV017	15	10	25	14	15	29	30	60	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	21	21	6	16	50	78.5	78.5	51.7	60.0	57.7	21	
1SV18CV018	15	15	30	15	15	30	30	60	2	2	2	2	2	10.2	10.2	10.2	10.2	10.2	27	27	12	27	57	100.7	100.7	101.7	100.7	65.7	51	
1SV18CV019	15	15	30	15	15	30	30	60	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	24	24	9	24	54	87.4	87.4	71.7	87.4	61.6	33	
1SV18CV026	15	2	17	15	14	29	20	40	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	23	22	8	10	43	83.7	80.0	63.3	35.6	49.0	28	
1SV18CV027	15	14	29	15	15	30	30	60	2	2	2	2	2	5	5	5	5	5	22	22	7	21	52	81.5	81.5	58.3	77.8	59.8	25	
1SV18CV028	15	11	26	15	15	30	28	56	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	21	21	6	17	49	78.5	78.5	51.7	63.7	56.6	21	
1SV18CV029	5	13	18	15	15	30	29	58	2	2	2	2	2	5	5	5	5	5	12	22	7	20	51	44.4	81.5	58.3	74.1	58.6	25	
1SV18CV030	15	15	30	15	15	30	29	58	2	2	2	2	2	7	7	7	7	7	24	24	9	24	53	88.9	88.9	75.0	88.9	60.9	35	
1SV18CV036	15	15	30	15	10	25	30	60	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	24	19	9	24	54	89.6	71.1	76.7	89.6	62.3	36	
1SV19CV400	7	5	12	15	14	29	30	60	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	11	18	4	9	49	39.3	65.2	30.0	31.9	55.9	8	
1SV19CV401	3	2	5	15	14	29	21	42	2	2	2	2	2	0	0	0	0	0	5	16	2	4	38	18.5	59.3	16.7	14.8	43.7	0	

1SV19CV402	12	13	25	15	15	30	29	58	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	19	22	7	20	51	71.1	82.2	60.0	74.8	58.9	26	
1SV19CV403	11	5	16	15	13	28	30	60	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	14	16	3	8	48	52.6	60.0	26.7	30.4	55.4	6	
1SV19CV404	0	5	5	15	15	30	30	60	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	9	24	9	14	54	31.9	87.4	71.7	50.4	61.6	33	
1SV19CV405	6	8	14	AB	AB	AB	26	52	2	2	2	2	2	3	3	3	3	3	11	5	5	13	31	40.7	18.5	41.7	48.1	35.6	15	
1SV19CV406	12	3	15	14	15	29	30	60	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	16	19	4	7	48	57.8	68.9	30.0	24.4	54.7	8	
1SV19CV407	4	6	10	14	15	29	30	60	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	9	20	5	11	49	31.9	72.6	38.3	39.3	55.9	13	
1SV19CV408	3	12	15	15	15	30	30	60	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	8	20	5	17	50	31.1	75.6	45.0	64.4	57.9	17	
1SV19CV409	10	11	21	9	15	24	30	60	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	16	21	6	17	45	60.7	79.3	53.3	64.4	52.2	22	
1SV19CV410	13	12	25	15	15	30	30	60	2	2	2	2	2	3	3	3	3	3	18	20	5	17	50	66.7	74.1	41.7	63.0	57.5	15	
1SV19CV411	3	5	8	15	15	30	28	56	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	7	19	4	9	47	25.2	69.6	31.7	32.6	53.8	9	
1SV19CV412	2	3	5	14	15	29	30	60	2	2	2	2	2	3	3	3	3	3	7	20	5	8	49	25.9	74.1	41.7	29.6	56.3	15	
1SV19CV413	9	4	13	9	15	24	30	60	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	14	20	5	9	44	50.4	72.6	38.3	31.9	50.1	13	
1SV19CV414	7	5	12	15	15	30	29	58	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	13	21	6	11	50	48.9	78.5	51.7	41.5	57.7	21	
1SV19CV415	3	9	11	15	15	30	30	60	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	10	22	7	16	52	38.5	83.0	61.7	60.7	60.2	27	
1SV19CV416	12	3	15	15	15	30	29	58	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	18	21	6	9	50	67.4	78.5	51.7	34.1	57.7	21	
1SV19CV417	5	8	13	15	15	30	30	60	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	10	20	5	13	50	36.3	73.3	40.0	47.4	57.2	14	
1SV19CV418	12	5	17	13	15	28	20	40	2	2	2	2	2	10.2	10.2	10.2	10.2	10.2	24	27	12	17	45	89.6	100.7	101.7	63.7	52.0	51	
1SV19CV419	10	10	20	15	15	30	29	58	2	2	2	2	2	5	5	5	5	5	17	22	7	17	51	63.0	81.5	58.3	63.0	58.6	25	
1SV19CV420	10	11	21	15	15	30	30	60	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	17	22	7	18	52	62.2	80.7	56.7	65.9	59.5	24	
1SV18ME002	15	15	30	14	15	29	30	60	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	25	25	10	25	54	91.9	91.9	81.7	91.9	61.8	39	
1SV18ME004	10	15	25	15	15	30	30	60	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16	21	6	21	51	60.0	78.5	51.7	78.5	58.9	21	
1SV18ME005	15	5	20	15	15	30	28	56	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	21	21	6	11	49	78.5	78.5	51.7	41.5	56.6	21	
1SV18ME009	15	4	19	15	15	30	30	60	2	2	2	2	2	3	3	3	3	3	20	20	5	9	50	74.1	74.1	41.7	33.3	57.5	15	
1SV19ME400	15	7	22	13	15	28	30	60	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	23	23	8	15	51	86.7	86.7	70.0	57.0	59.1	32	
1SV19ME401	15	13	28	15	15	30	30	60	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	25	25	10	23	55	91.9	91.9	81.7	84.4	63.0	39	
1SV19ME402	6	5	11	12	15	27	29	58	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	10	19	4	9	45	36.3	69.6	31.7	32.6	51.5	9	
1SV19ME403	0	1	1	15	15	30	30	60	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	6	21	6	7	51	23.7	79.3	53.3	27.4	59.1	22	
1SV19ME404	3	2	5	13	15	28	30	60	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	9	21	6	8	49	34.1	78.5	51.7	30.4	56.6	21	
																									60.7	78.7	55.9	55.8	56.7	


STAFF


HOD


PRINCIPAL
SIET, TUMAKURU.
PRINCIPAL

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMKUR-06

(An ISO 9001-2008 Certified Institution)

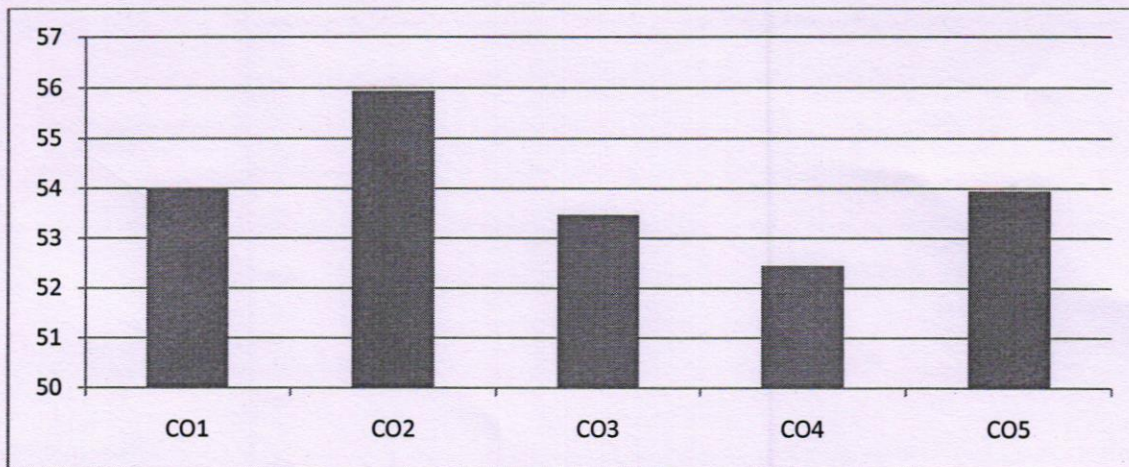
DEPARTMENT OF MATHEMATICS



COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY				
FACULTY NAME	Dr. CHETANA C/Prof. RASHMI S B				
BRANCH	ECE/EEE/CSE/CVE/ISE/ME	ACADEMIC YEAR		2018-19	
COURSE	B.E	SEMESTER	I	SECTION	A,C,D
SUBJECT	CALCULUS AND DIFFERENTIAL EQUATION			SUBJECT CODE	18MAT11

CO & PO MAPPING

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	54	1.08	1.62	0	0	0	0	0	0	0	0	0	0.54
CO2	56	1.12	1.68	0	0	0	0	0	0	0	0	0	0.56
CO3	53	1.07	1.60	0	0	0	0	0	0	0	0	0	0.53
CO4	52	1.05	1.57	0	0	0	0	0	0	0	0	0	0.52
CO5	54	1.08	1.62	0	0	0	0	0	0	0	0	0	0.54
AVG	54	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.33



Staff in-charge

HOD

Principal

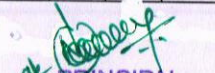
Academic year	2018-19			SEM	1st	Total strength			128	Subject				CALCULUS AND LINEAR ALGEBRA					Subject Code		18MAT11					% of individual CO				
SEM-I	IA TEST 1(30M)			IA TEST 2(30M)			IA TEST 3(30M)			ASSIGNMENT / QUIZ(10 M)					SEE MARKS(60)					Total Cos ATTAINMENT										
USN	CO1	CO2	TOTAL	CO2	CO3	TOTAL	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1=12	CO2	CO3	CO4	CO5	CO1=29	CO2=44	CO3=29	CO4=29	CO5=29	CO1	CO2	CO3	CO4	CO5	
1SV18EC001	10	8	18	10	9	19	10	9	19	2	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	16.8	24.8	15.8	16.8	15.8	57.9	56.4	54.5	57.9	54.5
1SV18EC002	15	15	30	15	15	30	15	15	30	2	2	2	2	2	2	9.4	9.4	9.4	9.4	9.4	26.4	41.4	26.4	26.4	26.4	91.0	94.1	91.0	91.0	91.0
1SV18EC003	6	10	16	10	6	16	10	4	14	2	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	10.6	24.6	10.6	14.6	8.6	36.6	55.9	36.6	50.3	29.7
1SV18EC004	10	10	20	10	10	20	6	15	21	2	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	18.8	28.8	18.8	14.8	23.8	64.8	65.5	64.8	51.0	82.1
1SV18EC005	15	14	29	15	14	29	15	13	28	2	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	23.6	37.6	22.6	23.6	21.6	81.4	85.5	77.9	81.4	74.5
1SV18EC006	15	13	28	14	15	29	14	15	29	2	2	2	2	2	2	11.2	11.2	11.2	11.2	11.2	28.2	40.2	28.2	27.2	28.2	97.2	91.4	97.2	93.8	97.2
1SV18EC007	10	15	25	10	15	25	10	14	24	2	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	20.8	35.8	25.8	20.8	24.8	71.7	81.4	89.0	71.7	85.5
1SV18EC008	15	10	25	15	10	25	14	10	24	2	2	2	2	2	2	8.4	8.4	8.4	8.4	8.4	25.4	35.4	20.4	24.4	20.4	87.6	80.5	70.3	84.1	70.3
1SV18EC009	8	15	23	15	8	23	14	7	22	2	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	16.8	38.8	16.8	22.8	15.8	57.9	88.2	57.9	78.6	54.5
1SV18EC010	10	6	16	10	6	16	10	5	15	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	22.2	12.2	16.2	11.2	55.9	50.5	42.1	55.9	38.6
1SV18EC011	14	15	29	14	15	29	14	14	28	2	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	23.8	38.8	24.8	23.8	23.8	82.1	88.2	85.5	82.1	82.1
1SV18EC012	10	8	18	10	7	17	8	10	18	2	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	17.8	25.8	14.8	15.8	17.8	61.4	58.6	51.0	54.5	61.4
1SV18EC013	15	15	30	15	15	30	15	15	30	2	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	25.8	40.8	25.8	25.8	25.8	89.0	92.7	89.0	89.0	89.0
1SV18EC014	15	14	29	14	15	29	14	14	28	2	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	22.4	35.4	22.4	21.4	21.4	77.2	80.5	77.2	73.8	73.8
1SV18EC016	13	15	28	14	13	27	13	15	28	2	2	2	2	2	2	8.2	8.2	8.2	8.2	8.2	23.2	39.2	23.2	23.2	25.2	80.0	89.1	80.0	80.0	86.9
1SV18EC017	10	4	14	10	3	13	4	10	14	2	2	2	2	2	2	0.6	0.6	0.6	0.6	0.6	12.6	16.6	5.6	6.6	12.6	43.4	37.7	19.3	22.8	43.4
1SV18EC018	9	15	24	9	14	23	10	14	24	2	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	17.4	32.4	22.4	18.4	22.4	60.0	73.6	77.2	63.4	77.2
1SV18EC019	15	9	24	9	14	23	14	10	24	2	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	23.4	26.4	22.4	18.4	80.7	63.0	70.6	77.2	63.4	
1SV18EC020	11	10	21	10	10	20	11	10	21	2	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	17.6	26.6	16.6	17.6	16.6	60.7	60.5	57.2	60.7	57.2
1SV18EC021	10	13	23	10	12	22	10	13	23	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	29.2	18.2	16.2	19.2	55.9	66.4	62.8	55.9	66.2
1SV18EC022	12	15	27	16	10	26	17	10	27	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	18.2	37.2	16.2	23.2	16.2	62.8	84.5	55.9	80.0	55.9
1SV18EC023	10	13	23	10	13	23	10	12	22	2	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	17.4	30.4	20.4	17.4	19.4	60.0	69.1	70.3	60.0	66.9
1SV18EC024	14	10	24	10	13	23	10	14	24	2	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	21.4	27.4	20.4	17.4	21.4	73.8	62.3	70.3	60.0	73.8
1SV18EE001	5	5	10	5	5	10	6	3	9	2	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	9.6	14.6	9.6	10.6	7.6	33.1	33.2	33.1	36.6	26.2
1SV18EE002	9	10	19	8	10	18	9	10	19	2	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	13.8	22.8	14.8	13.8	14.8	47.6	51.8	51.0	47.6	51.0
1SV18EE003	10	15	25	10	15	25	10	14	24	2	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	19.2	34.2	24.2	19.2	23.2	66.2	77.7	83.4	66.2	80.0
1SV18EE004	8	10	18	8	10	18	7	10	17	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	14.2	24.2	16.2	13.2	16.2	49.0	55.0	55.9	45.5	55.9
1SV18EE005	10	8	18	10	8	18	10	7	17	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	24.2	14.2	16.2	13.2	55.9	55.0	49.0	55.9	45.5
1SV18EE006	7	10	17	10	7	17	10	6	16	2	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	10.8	23.8	10.8	13.8	9.8	37.2	54.1	37.2	47.6	33.8
1SV18EE007	10	4	14	3	10	13	4	10	14	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	13.2	16.2	10.2	16.2	55.9	30.0	55.9	35.2	55.9
1SV18EE008	5	10	15	10	4	14	10	5	15	2	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	8.6	23.6	7.6	13.6	8.6	29.7	53.6	26.2	46.9	29.7
1SV18EE009	10	4	14	3	10	13	4	10	14	2	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	17.4	14.4	17.4	11.4	17.4	60.0	32.7	60.0	39.3	60.0
1SV18EE010	5	10	15	10	5	15	10	4	14	2	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	9.4	24.4	9.4	14.4	8.4	32.4	55.5	32.4	49.7	29.0
1SV18EE011	15	6	21	10	10	20	11	10	21	2	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	20.2	21.2	15.2	16.2	15.2	69.7	48.2	52.4	55.9	52.4
1SV18EE012	7	10	17	10	6	16	10	7	17	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	13.2	26.2	12.2	16.2	13.2	45.5	59.5	42.1	55.9	45.5
1SV18EE013	15	5	15	5	10	15	4	10	14	2	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	19.8	14.8	14.8	8.8	14.8	68.3	33.6	51.0	30.3	51.0
1SV18CV001	5	4	9	4	4	8	9	0	9	2	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	8.2	11.2	7.2	12.2	3.2	28.3	25.5	24.8	42.1	11.0
1SV18CV002	10	4	14	4	10	14	3	10	13	2	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	15.2	13.2	15.2	8.2	15.2	52.4	30.0	52.4	28.3	52.4
1SV18CV003	8	15	23	10	13	23	10	12	22	2	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	17.6	34.6	22.6	19.6	21.6	60.7	78.6	77.9	67.6	74.5
1SV18CV004	15	8	23	12	10	23	12	10	22	2	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	22.8	27.8	19.8	17.8	17.8	78.6	63.2	61.4	68.3	61.4
1SV18CV005	3	10	13	6	6	12	6	7	13	2	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	6.2	19.2	9.2	9.2	10.2	21.4	43.6	31.7	31.7	35.2
1SV18CV006	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	0	0	0	0	0	2	2	2	2	2	6.9	4.5	6.9	6.9	6.9
1SV18CV007	10	7	17	10	7	17	10	6	16	2	2	2	2	2	2	3	3	3	3	3	15	22	12	15	11	51.7	50.0	41.4	51.7	37.9
1SV18CV008	3	10	13	3	10	13	2	10	12	2	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	9.8	19.8	16.8	8.8	16.8	33.8	45.0	57.9	30.3	57.9
1SV18CV009	5	5	10	5	5	10	6	3	9	2	2	2	2	2	2	1	1	1	1	1	8	13	8	9	6	27.6	29.5	27.6	31.0	20.7
1SV18CV010	3	6	9	3	6	9	4	4	8	2	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	5.4	11.4	8.4	6.4	6.4	18.6	25.9	29.0	22.1	22.1
1SV18CV011	10	16	26	10	15	25	10	16	26	2	2	2	2	2	2	5	5	5	5	5	17	33	22	17	23	58.6	75.0	75.9	58.6	79.3
1SV18CV012	3	6	9	4	4	8	3	6	9	2	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	7.2	14.2	8.2	7.2	10.2	24.8	32.3	28.3	24.8	35.2
1SV18CV013	15	15	30	15	15	30	15	15	30	2	2	2	2	2	2	9	9	9	9	9	26	41	26	26	26	89.7	93.2	89.7	89.7	

15V18CV019	10	13	23	10	12	22	10	13	23	2	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	18.6	31.6	20.6	18.6	21.6	64.1	71.8	71.0	64.1	74.5
15V18CV020	4	4	8	4	4	8	2	5	7	2	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	7.2	11.2	7.2	5.2	8.2	24.8	25.5	24.8	17.9	28.3
15V18CV021	6	3	9	4	4	8	6	3	9	2	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	8.4	9.4	6.4	8.4	5.4	29.0	21.4	22.1	29.0	18.6
15V18CV023	3	6	9	0	8	8	3	6	9	2	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	6.2	9.2	11.2	6.2	9.2	21.4	20.9	38.6	21.4	31.7
15V18CV024	6	6	12	6	5	11	6	6	12	2	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	11.6	17.6	10.6	11.6	11.6	40.0	40.0	36.6	40.0	40.0
15V18CV025	3	6	9	4	4	8	3	6	9	2	2	2	2	2	2	3	3	3	3	3	8	15	9	8	11	27.6	34.1	31.0	27.6	37.9
15V18CV026	15	15	30	15	15	30	15	15	30	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	21.2	36.2	21.2	21.2	21.2	73.1	82.3	73.1	73.1	73.1
15V18CV027	5	10	15	5	10	15	4	10	14	2	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	11.6	21.6	16.6	10.6	16.6	40.0	49.1	57.2	36.6	57.2
15V18CV028	10	12	22	10	12	22	12	11	23	2	2	2	2	2	2	7	7	7	7	7	19	31	21	21	20	65.5	70.5	72.4	72.4	69.0
15V18CV029	11	10	21	11	10	21	10	10	20	2	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	17.8	27.8	16.8	16.8	16.8	61.4	63.2	57.9	57.9	57.9
15V18CV030	14	14	28	14	14	28	14	13	27	2	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	23.8	37.8	23.8	23.8	22.8	82.1	85.9	82.1	82.1	78.6
15V18CV031	11	10	22	11	10	21	11	11	22	2	2	2	2	2	2	5	5	5	5	5	18	28	17	18	18	62.1	63.6	58.6	62.1	62.1
15V18CV032	6	3	9	3	6	9	4	4	8	2	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	9.2	9.2	7.2	7.2	7.2	31.7	20.9	31.7	24.8	24.8
15V18CV033	10	6	16	10	6	16	5	10	15	2	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	15.6	21.6	11.6	10.6	15.6	53.8	49.1	40.0	36.6	53.8
15V18CV034	10	6	16	10	6	16	10	5	15	2	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	15.6	21.6	11.6	15.6	10.6	53.8	49.1	40.0	53.8	36.6
15V18CV035	5	10	15	5	10	15	4	10	14	2	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	8.2	18.2	13.2	7.2	13.2	28.3	41.4	45.5	24.8	45.5
15V18CV036	10	15	25	10	15	25	10	14	24	2	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	17.2	32.2	22.2	17.2	21.2	59.3	73.2	76.6	59.3	73.1
15V18CV037	10	2	12	2	10	12	1	10	11	2	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	14.8	8.8	14.8	5.8	14.8	51.0	20.0	20.0	20.0	51.0
15V18ME001	6	10	16	10	6	16	10	5	15	2	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	10.2	24.2	10.2	14.2	9.2	35.2	55.0	35.2	49.0	31.7
15V18ME002	15	15	30	15	15	30	15	15	30	2	2	2	2	2	2	9.2	9.2	9.2	9.2	9.2	26.2	41.2	26.2	26.2	26.2	90.3	93.6	90.3	90.3	90.3
15V18ME003	10	4	14	10	4	14	10	3	13	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	20.2	16.2	16.2	9.2	55.9	45.9	35.2	55.9	31.7
15V18ME004	7	10	17	7	10	17	6	10	16	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	13.2	23.2	16.2	12.2	16.2	45.5	52.7	55.9	42.1	55.9
15V18ME005	10	1	11	5	5	10	10	1	11	2	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	17.4	13.4	12.4	17.4	8.4	60.0	30.5	42.8	60.0	29.0
15V18ME007	7	7	14	10	3	13	4	10	14	2	2	2	2	2	2	2	2	2	2	2	11	21	7	8	14	37.9	47.7	24.1	27.6	48.3
15V18ME008	10	3	13	10	2	12	10	3	13	2	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	14.2	17.2	6.2	14.2	7.2	49.0	39.1	21.4	49.0	24.8
15V18ME009	5	5	10	5	5	10	3	6	9	2	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	9.4	14.4	9.4	7.4	10.4	32.4	32.7	32.4	25.5	35.9
15V18ME010	10	5	15	5	10	15	7	7	14	2	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	14.8	14.8	14.8	11.8	11.8	51.0	33.6	51.0	40.7	40.7
15V18ME011	11	10	21	10	10	20	11	10	21	2	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	14.8	23.8	13.8	14.8	13.8	51.0	54.1	47.6	51.0	47.6
15V18ME012	10	5	15	10	5	15	7	7	14	2	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	14.2	19.2	9.2	11.2	11.2	49.0	43.6	31.7	38.6	38.6
15V18ME013	6	6	12	6	6	12	1	10	11	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	12.2	18.2	12.2	7.2	16.2	42.1	41.4	42.1	24.8	55.9
15V18CS001	5	5	10	5	5	10	6	3	9	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	11.2	16.2	11.2	12.2	9.2	38.6	36.8	38.6	42.1	31.7
15V18CS002	3	6	9	4	4	8	6	3	9	2	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	8.2	15.2	9.2	11.2	8.2	28.3	34.5	31.7	38.6	28.3
15V18CS003	10	14	24	10	13	23	10	14	24	2	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	17.8	31.8	20.8	17.8	21.8	61.4	72.3	71.7	61.4	75.2
15V18CS004	13	10	23	12	10	22	13	10	23	2	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	20.8	29.8	17.8	20.8	17.8	71.7	67.7	61.4	71.7	61.4
15V18CS005	15	15	30	15	15	30	15	15	30	2	2	2	2	2	2	12	12	12	12	12	29	44	29	29	29	100.0	100.0	100.0	100.0	100.0
15V18CS006	12	10	22	11	10	21	2	10	22	2	2	2	2	2	2	7	7	7	7	7	21	30	19	11	19	72.4	68.2	65.5	37.9	65.5
15V18CS007	14	14	28	14	13	27	14	14	28	2	2	2	2	2	2	10.2	10.2	10.2	10.2	10.2	26.2	40.2	25.2	26.2	26.2	90.3	91.4	86.9	90.3	90.3
15V18CS008	9	9	18	8	9	17	9	9	18	2	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	16.6	24.6	16.6	16.6	16.6	57.2	55.9	57.2	57.2	57.2
15V18CS009	6	3	9	4	4	8	6	3	9	2	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	10.4	11.4	8.4	10.4	7.4	35.9	25.9	29.0	35.9	25.5
15V18CS010	5	5	10	5	5	10	3	6	9	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	11.2	16.2	11.2	9.2	12.2	38.6	36.8	38.6	31.7	42.1
15V18CS011	10	15	25	10	15	25	10	14	24	2	2	2	2	2	2	7	7	7	7	7	19	34	24	19	23	65.5	77.3	82.8	65.5	79.3
15V18CS012	6	5	11	5	5	10	1	10	11	2	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	10.8	14.8	9.8	5.8	14.8	37.2	33.6	33.8	20.0	51.0
15V18CS013	10	14	24	10	13	23	10	14	24	2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	30.2	19.2	16.2	20.2	55.9	68.6	66.2	55.9	69.7
15V18CS014	14	14	28	14	14	28	13	15	27	2	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	23.6	37.6	23.6	22.6	24.6	81.4	85.5	81.4	77.9	84.8
15V18CS015	14	13	23	14	13	23	11	1	22	2	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	19.4	32.4	18.4	16.4	6.4	66.9	73.6	63.4	56.6	22.1
15V18CS016	4	4	8	3	4	7	4	4	8	2	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	7.2	10.2	7.2	7.2	7.2	24.8	23.2	24.8	24.8	24.8
15V18CS017	10	11	21	10	11	21	10	10	20	2	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	19.8	30.8	20.8	19.8	19.8	68.3	70.0	71.7	68.3	68.3
15V18CS018	3	6	9	4	4	8	3	6	9	2	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	9.8	16.8	10.8	9.8	12.8	33.8	38.2	37.2	33.8	44.1
15V18CS019	14	15	29	15	15	30	14	15	29	2	2	2	2	2	2	7.4	7.4	7.4	7.4	7.4	23.4	39.4	24.4	23.4	24.4	80.7	89.5	84.1	80.7	84.1
15V18CS020	9	9	18	8	9	17	9	9	18	2	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	16.2	24.2	16.2	16.2	16.2	55.9	55.0	55.9	55.9	55.9
15V18CS021	6	6	12	6	5	11	6	6	12	2	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	12.6	18.6	11.6	12.6	12.6	43.4	42.3	40.0	43.4	43.4
15V18CS022	3	6	9	4	4	8	3</																							

1SV18CS028	3	6	9	4	4	8	3	6	9	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	9.2	16.2	10.2	9.2	12.2	31.7	36.8	35.2	31.7	42.1
1SV18CS029	15	8	23	15	7	22	12	11	23	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	21.2	29.2	13.2	18.2	17.2	73.1	66.4	45.5	62.8	59.3
1SV18CS030	6	6	12	5	6	11	6	6	12	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	11.2	16.2	11.2	11.2	38.6	36.8	38.6	38.6	38.6	
1SV18CS031	5	5	10	5	5	10	6	3	9	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	9.8	14.8	9.8	10.8	7.8	33.8	33.6	33.8	37.2	26.9
1SV18CS032	14	14	28	13	15	28	13	14	27	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	9.8	14.8	9.8	10.8	7.8	33.8	33.6	33.8	37.2	26.9
1SV18CS033	10	12	22	10	11	21	10	12	22	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	18.6	30.6	19.6	18.6	20.6	64.1	69.5	67.6	64.1	71.0
1SV18CS034	7	6	13	6	6	12	3	10	13	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	11.4	16.4	10.4	7.4	14.4	39.3	37.3	35.9	25.5	49.7
1SV18CS035	3	6	9	5	2	8	6	3	9	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	7.2	15.2	6.2	10.2	7.2	24.8	34.5	21.4	35.2	24.8
1SV18CS036	3	6	9	4	4	8	0	9	9	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	7.4	14.4	8.4	4.4	13.4	25.5	32.7	29.0	15.2	46.2
1SV18CS037	4	4	8	8	0	8	7	0	7	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	7.2	15.2	3.2	10.2	3.2	24.8	34.5	11.0	35.2	11.0
1SV18CS038	14	14	28	13	14	27	14	14	28	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	21.4	34.4	21.4	21.4	21.4	73.8	78.2	73.8	73.8	73.8
1SV18CS039	13	14	27	13	13	26	14	13	27	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	22.8	36.8	22.8	23.8	22.8	78.6	83.6	78.6	82.1	78.6
1SV18CS040	3	6	9	4	4	8	9	6	9	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	6.8	13.8	7.8	12.8	9.8	23.4	31.4	26.9	44.1	33.8
1SV18CS041	10	10	20	10	10	20	10	9	19	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	17.4	27.4	17.4	17.4	16.4	60.0	62.3	60.0	60.0	56.6
1SV18CS042	9	9	18	8	9	17	9	9	18	2	2	2	2	2	5	5	5	5	5	16	24	16	16	16	55.2	54.5	55.2	55.2	55.2
1SV18CS043	14	13	27	13	13	26	14	13	27	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	20.4	32.4	19.4	20.4	19.4	70.3	73.6	66.9	70.3	66.9
1SV18CS044	3	6	9	4	4	8	3	6	9	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	6.2	13.2	7.2	6.2	9.2	21.4	30.0	24.8	21.4	31.7
1SV18CS045	10	10	20	10	9	19	10	10	20	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	16.8	26.8	15.8	16.8	16.8	57.9	60.9	54.5	57.9	57.9
1SV18CS046	5	6	11	5	5	10	5	6	11	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	11.2	17.2	11.2	11.2	12.2	38.6	39.1	38.6	38.6	42.1
1SV18CS047	10	11	21	10	10	20	10	11	21	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	14.4	25.4	14.4	14.4	15.4	49.7	57.7	49.7	49.7	53.1
																									54.0	55.9	53.5	52.5	54.0


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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMKUR-06

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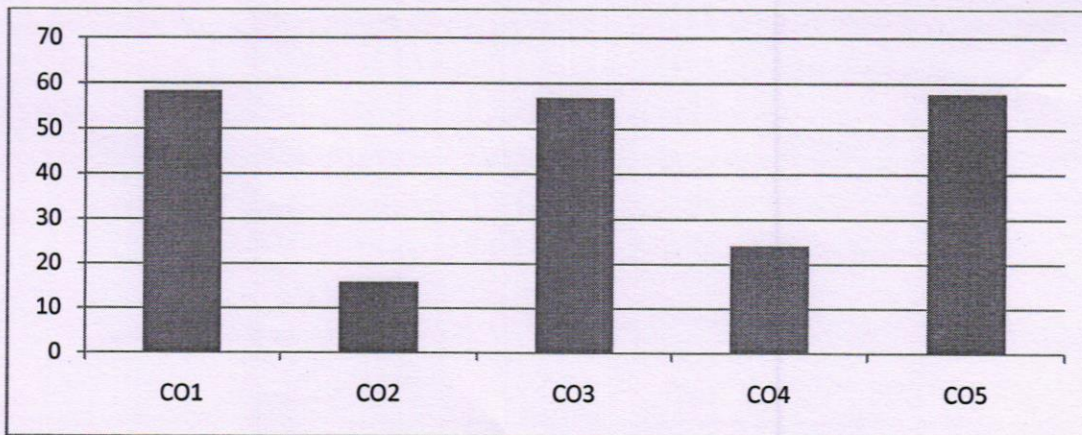
DEPARTMENT OF MATHEMATICS



COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY			
FACULTY NAME	Dr. CHETANA C/Prof. RASHMI S B			
BRANCH	ECE/EEE/CSE/CVE/ISE/ME	ACADEMIC YEAR	2018-19	
COURSE	B.E	SEMESTER	III	SECTION
SUBJECT	ENGINEERING MATHEMATICS -III		SUBJECT CODE	17MAT31

CO & PO MAPPING

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	58	1.17	1.75	0	0	0	0	0	0	0	0	0	0.58
CO2	16	0.32	0.48	0	0	0	0	0	0	0	0	0	0.16
CO3	57	1.14	1.71	0	0	0	0	0	0	0	0	0	0.57
CO4	24	0.48	0.72	0	0	0	0	0	0	0	0	0	0.24
CO5	58	1.16	1.73	0	0	0	0	0	0	0	0	0	0.58
AVG	43	1	1	0	0	0	0	0	0	0	0	0	0
Final attainment level													1.33



[Signature]
Staff in-charge

[Signature]
HOD

[Signature]
Principal

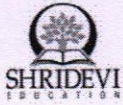
Academic year	2018-19		SEM	3		Subject										ENGINEERING MATHEMATICS-III	Subject Code	17MAT31												
SEM:III	IA TEST 1(30M)			IA TEST 2(30M)			IA TEST 3(30M)			ASSIGNMENT / QUIZ(10 M)					SEE MARKS(60)					Total Cos ATTAINMENT					% of individual CO					
USN	CO1	CO3	TOTAL	CO1	CO5	TOTAL	CO5	CO1	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1=12	CO2	CO3	CO4	CO5	5	9	14	19	14	24	CO1	CO2	CO3	CO4	CO5
1SV17EC001	15	15	30	15	15	30	15	14	29	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	50.2	6.2	21.2	6.2	36.2	85.1	14.1	73.1	21.4	82.3	
1SV17EC002	10	4	14	3	10	13	4	10	14	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	28.4	5.4	9.4	5.4	19.4	48.1	12.3	32.4	18.6	44.1	
1SV17EC003	10	14	24	15	10	25	10	15	25	2	2	2	2	2	8.6	8.6	8.6	8.6	8.6	50.6	10.6	24.6	10.6	30.6	85.8	24.1	84.8	36.6	69.5	
1SV17EC004	10	11	21	10	10	20	11	10	21	2	2	2	2	2	7	7	7	7	7	39	9	20	9	30	66.1	20.5	69.0	31.0	68.2	
1SV17EC005	10	10	20	10	10	20	10	9	19	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	35.6	6.6	16.6	6.6	26.6	60.3	15.0	57.2	22.8	60.5	
1SV17EC006	10	14	24	10	15	25	10	15	25	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	44.6	9.6	23.6	9.6	34.6	75.6	21.8	81.4	33.1	78.6	
1SV17EC007	10	14	24	10	13	23	10	14	24	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	42.6	8.6	22.6	8.6	31.6	72.2	19.5	77.9	29.7	71.8	
1SV17EC008	11	10	21	12	10	22	12	10	22	2	2	2	2	2	3	3	3	3	3	38	5	15	5	27	64.4	11.4	51.7	17.2	61.4	
1SV17EC009	14	14	28	14	13	27	14	14	28	2	2	2	2	2	10.2	10.2	10.2	10.2	10.2	54.2	12.2	26.2	12.2	39.2	91.9	27.7	90.3	42.1	89.1	
1SV17EC011	8	10	18	7	10	17	8	10	18	2	2	2	2	2	5	5	5	5	5	32	7	17	7	25	54.2	15.9	58.6	24.1	56.8	
1SV17EC013	10	9	19	10	10	20	15	5	20	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	31.4	6.4	15.4	6.4	31.4	53.2	14.5	53.1	22.1	71.4	
1SV17EC014	14	13	27	13	13	26	14	13	27	2	2	2	2	2	5	5	5	5	5	47	7	20	7	34	79.7	15.9	69.0	24.1	77.3	
1SV17EC015	10	10	20	9	10	19	10	10	20	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	36.6	7.6	17.6	7.6	27.6	62.0	17.3	60.7	26.2	62.7	
1SV17EC016	10	9	19	10	10	20	10	10	20	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	34.8	4.8	13.8	4.8	24.8	59.0	10.9	47.6	16.6	56.4	
1SV18EC400	8	10	18	2	15	17	3	15	18	2	2	2	2	2	6	6	6	6	6	33	8	18	8	26	55.9	18.2	62.1	27.6	59.1	
1SV18EC401	13	13	26	13	13	26	15	10	25	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	42.6	6.6	19.6	6.6	34.6	72.2	15.0	67.6	22.8	78.6	
1SV18EC402	14	10	24	14	10	24	13	10	23	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	44.2	6.2	16.2	6.2	29.2	74.9	14.1	55.9	21.4	66.4	
1SV17EE001	10	4	14	10	4	14	10	3	13	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	26.8	3.8	7.8	3.8	17.8	45.4	8.6	26.9	13.1	40.5	
1SV17EE002	10	10	20	10	10	20	9	10	19	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	36.6	6.6	16.6	6.6	25.6	62.0	15.0	57.2	22.8	58.2	
1SV17EE003	15	15	30	15	15	30	15	15	30	2	2	2	2	2	10.6	10.6	10.6	10.6	10.6	57.6	12.6	27.6	12.6	42.6	97.6	28.6	95.2	43.4	96.8	
1SV17EE004	14	13	27	13	13	26	13	14	27	2	2	2	2	2	9.2	9.2	9.2	9.2	9.2	52.2	11.2	24.2	11.2	37.2	88.5	25.5	83.4	38.6	84.5	
1SV17EE005	15	15	30	15	15	30	15	15	30	2	2	2	2	2	10.6	10.6	10.6	10.6	10.6	57.6	12.6	27.6	12.6	42.6	97.6	28.6	95.2	43.4	96.8	
1SV17EE006	10	7	17	10	6	16	10	7	17	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	33.2	6.2	13.2	6.2	22.2	56.3	14.1	45.5	21.4	50.5	
1SV17EE007	10	8	18	10	7	17	10	8	18	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	34.2	6.2	14.2	6.2	23.2	58.0	14.1	49.0	21.4	52.7	
1SV17EE008	3	10	13	2	10	12	3	10	13	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	19.2	4.2	14.2	4.2	17.2	32.5	9.5	49.0	14.5	39.1	
1SV17EE009	10	10	20	10	11	21	10	11	21	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	37.4	6.4	16.4	6.4	27.4	63.4	14.5	56.6	22.1	62.3	
1SV17EE010	13	10	23	14	10	24	14	10	24	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	45.6	8.6	18.6	8.6	32.6	77.3	19.5	64.1	29.7	74.1	
1SV17EE011	10	6	16	10	7	17	10	7	17	2	2	2	2	2	3	3	3	3	3	32	5	11	5	22	54.2	11.4	37.9	17.2	50.0	
1SV17EE012	15	15	30	15	15	30	15	15	30	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	50.6	5.6	20.6	5.6	35.6	85.8	12.7	71.0	19.3	80.9	
1SV18EE400	10	6	16	10	7	17	10	7	17	2	2	2	2	2	3	3	3	3	3	32	5	11	5	22	54.2	11.4	37.9	17.2	50.0	
1SV18EE401	10	10	20	11	10	21	11	10	21	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	35.8	4.8	14.8	4.8	25.8	60.7	10.9	51.0	16.6	58.6	
1SV18EE402	10	6	16	10	6	16	10	5	15	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	31.2	6.2	12.2	6.2	22.2	52.9	14.1	42.1	21.4	50.5	
1SV18EE403	11	11	22	11	11	22	11	10	21	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	37.2	5.2	16.2	5.2	27.2	63.1	11.8	55.9	17.9	61.8	
1SV15ME012	10	3	13	10	3	13	10	2	12	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	29.4	7.4	10.4	7.4	20.4	49.8	16.8	35.9	25.5	46.4	
1SV15ME031	1	1	2	1	1	2	1	0	1	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	7.2	5.2	6.2	5.2	7.2	12.2	11.8	21.4	17.9	16.4	
1SV15ME033	1	1	2	1	1	2	0	1	1	2	2	2	2	2	1.4	1.4	1.4	1.4	1.4	6.4	3.4	4.4	3.4	6.4	10.8	7.7	15.2	11.7	14.5	
1SV15ME052	2	1	3	1	2	3	1	0	2	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	10.8	7.8	8.8	7.8	8.8	18.3	17.7	30.3	26.9	20.0	
1SV15ME064	13	13	26	15	10	25	15	11	26	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	46.6	7.6	20.6	7.6	32.6	79.0	17.3	71.0	26.2	74.1	
1SV15ME088	8	10	18	7	10	17	8	10	18	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	31.2	6.2	16.2	6.2	24.2	52.9	14.1	55.9	21.4	55.0	
1SV17ME001	11	11	22	10	11	21	11	11	22	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	39.6	7.6	18.6	7.6	29.6	67.1	17.3	64.1	26.2	67.3	
1SV17ME003	5	5	10	3	6	9	5	5	10	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	21.4	8.4	13.4	8.4	19.4	36.3	19.1	46.2	29.0	44.1	
1SV17ME004	5	5	10	6	3	9	5	5	10	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	21.4	5.4	10.4	5.4	13.4	36.3	12.3	35.9	18.6	30.5	
1SV17ME005	13	10	23	12	10	22	13	10	23	2	2	2	2	2	1.4	1.4	1.4	1.4	1.4	38.4	3.4	13.4	3.4	26.4	65.1	7.7	46.2	11.7	60.0	
1SV17ME006	13	13	26	14	13	27	14	13	27	2	2	2	2	2	6	6	6	6	6	48	8	21	8	35	81.4	18.2	72.4	27.6	79.5	
1SV17ME007	11	10	21	11	11	22	11	11	22	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	43.8	10.8	20.8	10.8	32.8	74.2	24.5	71.7	37.2	74.5	
1SV17ME008	10	10	20	10	11	21	10	11	21	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	38.8	7.8	17.8	7.8	28.8	65.8	17.7	61.4	26.9	65.5	
1SV17ME011	2	10	12	3	10	13	3	10	13	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	22.6	7.6	17.6	7.6	20.6	38.3	17.3	60.7	26.2	46.8	
1SV17ME012	14	14	28	15	14	29	15	14	29	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	47.4	4.4	18.4	4.4	33.4	80.3	10.0	63.4	15.2	75.9	
1SV17ME013	10	8	18	10	9	19	9	10	19	2	2	2	2	2	9	9	9	9	9	41	11	19	11	29	69.5	25.0	65.5	37.9	65.9	
1SV17ME014	10	14	24	15	10	25	10	15	25	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	46.6	6.6	20.6	6.6	26.6	79.0	15.0	71.0	22.8	60.5	

1SV17ME015	3	6	9	4	4	8	3	6	9	2	2	2	2	2	8	8	8	8	8	23	10	16	10	17	39.0	22.7	55.2	34.5	38.6	
1SV18ME400	3	6	9	4	4	8	6	3	9	2	2	2	2	2	0.8	0.8	0.8	0.8	0.8	12.8	2.8	8.8	2.8	12.8	21.7	6.4	30.3	9.7	29.1	
1SV18ME401	1	10	11	5	5	10	1	10	11	2	2	2	2	2	1	1	1	1	1	19	3	13	3	9	32.2	6.8	44.8	10.3	20.5	
1SV18ME404	10	2	12	10	1	11	10	2	12	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	26.8	4.8	6.8	4.8	15.8	45.4	10.9	23.4	16.6	35.9	
1SV18ME407	2	10	12	5	5	10	6	6	12	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	27.4	4.4	8.4	4.4	18.4	46.4	10.0	29.0	15.2	41.8	
1SV18ME405	10	4	14	10	4	14	10	3	13	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	13.8	3.8	9.8	3.8	13.8	23.4	8.6	33.8	13.1	31.4	
1SV18ME406	3	6	9	3	6	9	4	4	8	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	16.6	3.6	6.6	3.6	13.6	28.1	8.2	22.8	12.4	30.9	
1SV18ME403	6	3	9	4	4	8	6	3	9	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	16.6	3.6	6.6	3.6	13.6	28.1	8.2	22.8	12.4	30.9	
1SV18ME408	6	3	9	6	3	9	4	4	8	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	20.2	4.2	7.2	4.2	11.2	34.2	9.5	24.8	14.5	25.5	
1SV17IS001	15	15	30	15	15	30	15	15	30	2	2	2	2	2	9.8	9.8	9.8	9.8	9.8	56.8	11.8	26.8	11.8	41.8	96.3	26.8	92.4	40.7	95.0	
1SV17IS002	5	5	10	5	5	10	5	4	9	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	20.2	6.2	11.2	6.2	16.2	34.2	14.1	38.6	21.4	36.8	
1SV17IS003	6	5	11	5	5	10	1	10	11	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	16.2	24.6	3.6	8.6	3.6	9.6	41.7	8.2	29.7	12.4	21.8
1SV17IS004	15	14	29	14	14	28	14	15	29	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	47.8	3.8	17.8	3.8	31.8	81.0	8.6	61.4	13.1	72.3	
1SV15CS070	14	15	29	14	15	29	14	14	28	2	2	2	2	2	9.2	9.2	9.2	9.2	9.2	53.2	11.2	26.2	11.2	40.2	90.2	25.5	90.3	38.6	91.4	
1SV17CS001	9	9	18	10	9	19	10	9	19	2	2	2	2	2	5	5	5	5	5	35	7	16	7	26	59.3	15.9	55.2	24.1	59.1	
1SV17CS002	10	10	20	9	10	19	10	10	20	2	2	2	2	2	6	6	6	6	6	37	8	18	8	28	62.7	18.2	62.1	27.6	63.6	
1SV17CS003	14	14	28	14	14	28	14	13	27	2	2	2	2	2	10.4	10.4	10.4	10.4	10.4	53.4	12.4	26.4	12.4	40.4	90.5	28.2	91.0	42.8	91.8	
1SV17CS004	10	15	25	14	10	24	10	15	25	2	2	2	2	2	8.6	8.6	8.6	8.6	8.6	49.6	10.6	25.6	10.6	30.6	84.1	24.1	88.3	36.6	69.5	
1SV17CS005	4	4	8	6	3	9	6	3	9	2	2	2	2	2	3	3	3	3	3	18	5	9	5	14	30.5	11.4	31.0	17.2	31.8	
1SV17CS006	15	14	29	14	14	28	14	15	29	2	2	2	2	2	7	7	7	7	7	53	9	23	9	37	89.8	20.5	79.3	31.0	84.1	
1SV17CS008	10	4	14	10	4	14	10	3	13	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	28.2	5.2	9.2	5.2	19.2	47.8	11.8	31.7	17.9	43.6	
1SV17CS009	14	10	23	14	10	24	13	10	23	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	44.2	6.2	16.2	6.2	29.2	74.9	14.1	55.9	21.4	66.4	
1SV17CS011	6	5	11	2	10	12	10	2	12	2	2	2	2	2	1	1	1	1	1	13	3	8	3	23	22.0	6.8	27.6	10.3	52.3	
1SV17CS012	15	15	30	14	15	29	15	15	30	2	2	2	2	2	9.2	9.2	9.2	9.2	9.2	55.2	11.2	26.2	11.2	41.2	93.6	25.5	90.3	38.6	93.6	
1SV17CS013	15	14	29	14	15	29	14	14	28	2	2	2	2	2	9.2	9.2	9.2	9.2	9.2	55.2	11.2	26.2	11.2	41.2	93.6	25.5	90.3	38.6	93.6	
1SV17CS014	13	10	23	11	11	22	13	10	23	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	41.4	7.4	17.4	7.4	31.4	70.2	16.8	60.0	25.5	71.4	
1SV17CS015	4	4	8	6	3	9	6	3	9	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	15.4	2.4	6.4	2.4	11.4	26.1	5.5	22.1	8.3	25.9	
1SV17CS016	11	15	26	15	10	25	13	13	26	2	2	2	2	2	8.6	8.6	8.6	8.6	8.6	49.6	10.6	25.6	10.6	33.6	84.1	24.1	88.3	36.6	76.4	
1SV17CS017	14	13	27	14	13	27	13	13	26	2	2	2	2	2	6	6	6	6	6	49	8	21	8	34	83.1	18.2	72.4	27.6	77.3	
1SV17CS019	10	14	24	10	13	23	12	12	24	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	38.6	6.6	20.6	6.6	31.6	65.4	15.0	71.0	22.8	71.8	
1SV17CS020	11	11	22	10	13	23	10	13	23	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	43.6	9.6	20.6	9.6	32.6	73.9	21.8	71.0	33.1	74.1	
1SV17CS021	14	15	29	14	14	28	15	14	29	2	2	2	2	2	10.6	10.6	10.6	10.6	10.6	54.6	12.6	27.6	12.6	41.6	92.5	28.6	95.2	43.4	94.5	
1SV17CS023	14	13	27	14	13	27	13	13	26	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	50.6	9.6	22.6	9.6	35.6	85.8	21.8	77.9	33.1	80.9	
1SV17CS024	5	6	11	6	6	12	6	6	12	2	2	2	2	2	0	0	0	0	0	19	2	8	2	14	32.2	4.5	27.6	6.9	31.8	
1SV17CS025	14	15	29	14	14	28	15	14	29	2	2	2	2	2	9.4	9.4	9.4	9.4	9.4	53.4	11.4	26.4	11.4	40.4	90.5	25.9	91.0	39.3	91.8	
1SV17CS026	11	12	23	11	11	22	11	12	23	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	40.2	6.2	18.2	6.2	28.2	68.1	14.1	62.8	21.4	64.1	
1SV17CS029	13	13	26	10	15	25	13	13	26	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	46.8	10.8	23.8	10.8	38.8	79.3	24.5	82.1	37.2	88.2	
1SV17CS030	10	11	21	10	10	20	11	10	21	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	36.6	6.6	17.6	6.6	27.6	62.0	15.0	60.7	22.8	62.7	
1SV17CS031	10	13	23	11	11	22	10	13	23	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	43.2	9.2	22.2	9.2	30.2	73.2	20.9	76.6	31.7	68.6	
1SV17CS032	3	6	9	4	4	8	3	6	9	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	18.6	5.6	11.6	5.6	12.6	31.5	12.7	40.0	19.3	28.6	
1SV17CS033	10	6	16	10	5	15	10	6	16	2	2	2	2	2	0	0	0	0	0	28	2	8	2	17	47.5	4.5	27.6	6.9	38.6	
1SV17CS035	8	10	18	7	10	17	8	10	18	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	33.8	8.8	18.8	8.8	26.8	57.3	20.0	64.8	30.3	60.9	
1SV17CS036	10	6	16	10	5	15	10	6	16	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	30.4	4.4	10.4	4.4	19.4	51.5	10.0	35.9	15.2	44.1	
1SV17CS037	11	10	21	10	10	20	11	10	21	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	38.2	7.2	17.2	7.2	28.2	64.7	16.4	59.3	24.8	64.1	
1SV17CS038	10	11	21	10	10	20	10	11	21	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	37.2	6.2	17.2	6.2	26.2	63.1	14.1	59.3	21.4	59.5	
1SV17CS039	10	12	22	10	11	21	10	12	22	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	38.2	6.2	18.2	6.2	27.2	64.7	14.1	62.8	21.4	61.8	
1SV17CS040	10	10	20	9	10	19	10	10	20	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	36.6	7.6	17.6	7.6	27.6	62.0	17.3	60.7	26.2	62.7	
1SV17CS041	10	13	23	10	12	22	10	13	23	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	39.2	6.2	19.2	6.2	28.2	66.4	14.1	66.2	21.4	64.1	
1SV17CS042	6	10	16	10	5	15	10	6	16	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	42.2	6.2	19.2	6.2	28.2	66.4	14.1	66.2	21.4	64.1	
1SV17CV001	10	10	20	9	10	19	10	10	20	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	28.2	6.2	16.2	6.2	21.2	47.8	14.1	55.9	21.4	48.2	
1SV17CV002	14	14	28	13	14	27	14	14	28	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	48.2	7.2	21.2	7.2	35.2	81.7	16.4	73.1	22.8	80.0	
1SV17CV004	11	11	22	11	10	21	11	11	22	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	40.6	7.6	18.6	7.6	28.6	68.8	17.3	64.1	26.2	65.0	
1SV17CV005	4	10	14	6	7	13	7	7	14	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	25.6	8.6	18.6	8.6	22.6	43.4	19.5	64.1	29.7	51.4	

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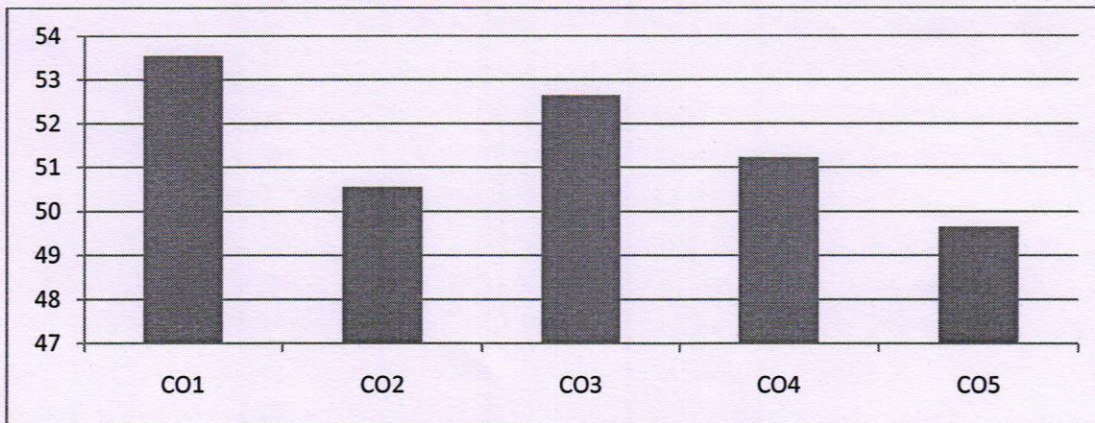
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DEPARTMENT OF MATHEMATICS



COLLEGE		SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY			
FACULTY NAME		Dr. CHETANA C/Prof. RASHMI S B			
BRANCH		ECE/EEE/CSE/CVE/ISE/AIDS/ME	ACADEMIC YEAR	2018-19	
COURSE	B.E	SEMESTER	II	SECTION	A,C,D
SUBJECT	ADVANCED CALCULUS AND NUMERICAL METHODS			SUBJECT CODE	18MAT21
CO & PO MAPPING					

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	54	1.07	1.61	0	0	0	0	0	0	0	0	0	0.54
CO2	51	1.01	1.52	0	0	0	0	0	0	0	0	0	0.51
CO3	53	1.05	1.58	0	0	0	0	0	0	0	0	0	0.53
CO4	51	1.02	1.54	0	0	0	0	0	0	0	0	0	0.51
CO5	50	0.99	1.49	0	0	0	0	0	0	0	0	0	0.50
AVG	52	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.33



[Signature]
Staff in-charge

[Signature]
HOD

[Signature]
Principal

1SV18CV027	12	4	16	5	13	28	12	12	24	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	11.2	18.2	18.2	18.2	23.2	38.62	62.76	62.76	62.76	62.76	52.73
1SV18CV028	13	5	18	13	5	18	8	0	8	2	2	2	2	2	7	7	7	7	7	22	22	17	9	19	75.86	75.86	58.62	31.03	43.18	
1SV18CV029	11	11	21	5	14	19	6	6	12	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	12.4	18.4	13.4	13.4	32.4	42.76	63.45	46.21	46.21	73.64	
1SV18CV030	12	13	25	13	13	26	11	10	21	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	19.2	18.2	17.2	16.2	32.2	66.21	62.76	59.31	55.86	73.18	
1SV18CV031	10	5	15	13	12	25	10	0	10	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	17.8	14.8	14.8	4.8	21.8	61.38	51.03	51.03	16.55	49.55	
1SV18CV032	0	1	1	0	7	7	13	5	18	2	2	2	2	2	2	2	2	2	2	4	4	17	9	12	13.79	13.79	58.62	31.03	27.27	
1SV18CV033	3	5	8	0	7	7	10	3	13	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	4.4	7.4	14.4	7.4	16.4	15.17	25.52	49.66	25.52	37.27	
1SV18CV034	0	0	0	2	0	2	12	13	25	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	5.6	3.6	15.6	16.6	3.6	19.31	12.41	53.79	57.24	8.18	
1SV18CV035	10	0	10	4	6	10	6	0	6	2	2	2	2	2	0.6	0.6	0.6	0.6	0.6	6.6	12.6	8.6	2.6	8.6	22.76	43.45	29.66	8.97	19.55	
1SV18CV036	10	10	20	13	15	28	5	12	17	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	22.2	19.2	14.2	21.2	34.2	76.55	66.21	48.97	73.10	77.73	
1SV18CV037	0	10	10	7	0	7	10	3	13	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	10.6	3.6	13.6	6.6	13.6	36.55	12.41	46.90	22.76	30.91	
1SV18ME001	10	0	10	1	0	1	10	5	15	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	4.6	13.6	13.6	8.6	3.6	15.86	46.90	46.90	29.66	8.18	
1SV18ME002	12	12	24	15	15	30	11	10	21	2	2	2	2	2	9.2	9.2	9.2	9.2	9.2	26.2	23.2	22.2	21.2	38.2	90.34	80.00	76.55	73.10	86.82	
1SV18ME003	8	0	8	0	0	0	10	10	20	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	3.6	11.6	13.6	13.6	3.6	12.41	40.00	46.90	46.90	8.18	
1SV18ME004	10	8	18	10	9	19	11	5	16	2	2	2	2	2	6	6	6	6	6	18	18	19	13	25	62.07	62.07	65.52	44.83	56.82	
1SV18ME005	4	0	4	5	6	11	5	8	13	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	11.2	10.2	11.2	14.2	12.2	38.62	35.17	38.62	48.97	27.73	
1SV18ME007	5	12	17	3	0	3	0	8	8	2	2	2	2	2	2	2	2	2	2	7	9	4	12	16	24.14	31.03	13.79	41.38	36.36	
1SV18ME008	7	0	7	4	4	8	0	11	11	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	10.2	13.2	6.2	17.2	10.2	35.17	45.52	21.38	59.31	23.18	
1SV18ME009	9	0	9	7	4	11	0	8	8	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	14.4	16.4	7.4	15.4	11.4	49.66	56.55	25.52	53.10	25.91	
1SV18ME010	11	0	11	12	13	25	10	8	18	2	2	2	2	2	3	3	3	3	3	17	16	15	13	18	58.62	55.17	51.72	44.83	40.91	
1SV18ME011	3	0	3	8	0	8	6	11	16	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	11.6	6.6	9.6	14.6	3.6	40.00	22.76	33.10	50.34	8.18	
1SV18ME012	10	4	14	12	5	17	0	0	2	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	14.4	12.4	2.4	2.4	11.4	49.66	42.76	8.28	8.28	25.91	
1SV18ME013	7	0	7	9	0	9	5	6	11	2	2	2	2	2	1.4	1.4	1.4	1.4	1.4	10.4	10.4	8.4	9.4	3.4	42.76	35.86	28.97	32.41	7.73	
1SV18CS001	10	6	16	8	8	16	7	8	15	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	14.2	16.2	13.2	14.2	20.2	48.97	55.86	45.52	48.97	45.91	
1SV18CS002	6	6	12	10	3	13	12	1	13	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	14.4	10.4	16.4	5.4	13.4	49.66	35.86	56.55	18.62	30.45	
1SV18CS003	14	15	29	14	15	29	15	14	29	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	22.4	22.4	23.4	22.4	38.4	77.24	77.24	80.69	77.24	87.27	
1SV18CS004	13	12	25	13	13	26	13	13	26	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	19.2	19.2	19.2	19.2	31.2	66.21	66.21	66.21	66.21	70.91	
1SV18CS005	15	15	30	15	15	30	15	14	29	2	2	2	2	2	12	12	12	12	12	29	29	29	28	44	100.00	100.00	100.00	96.55	100.00	
1SV18CS006	13	12	25	13	13	26	14	15	29	2	2	2	2	2	3	3	3	3	3	18	18	19	20	30	62.07	62.07	65.52	68.97	68.18	
1SV18CS007	10	1	11	5	5	10	6	5	11	2	2	2	2	2	9.2	9.2	9.2	9.2	9.2	16.2	21.2	17.2	16.2	17.2	55.86	73.10	59.31	55.86	39.09	
1SV18CS008	7	8	15	10	10	20	11	11	22	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	17.2	14.2	18.2	18.2	25.2	59.31	48.97	62.76	62.76	57.27	
1SV18CS009	15	15	30	15	15	30	15	15	30	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	17.4	17.4	17.4	17.4	32.4	60.00	60.00	60.00	60.00	73.64	
1SV18CS010	14	15	27	14	15	29	15	14	29	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	20.8	20.8	21.8	20.8	36.8	71.72	71.72	75.17	71.72	83.64	
1SV18CS011	13	12	25	12	13	25	15	10	25	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	21.2	22.2	24.2	19.2	34.2	73.10	76.55	83.45	66.21	77.73	
1SV18CS012	11	11	22	10	11	21	11	10	21	2	2	2	2	2	3	3	3	3	3	15	16	16	15	27	51.72	55.17	55.17	51.72	61.36	
1SV18CS013	7	7	14	10	3	13	7	8	15	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	15.2	12.2	12.2	13.2	15.2	52.41	42.07	42.07	45.52	34.55	
1SV18CS014	14	14	28	15	15	29	14	14	28	2	2	2	2	2	11.2	11.2	11.2	11.2	11.2	28.2	27.2	27.2	27.2	42.2	97.24	93.79	93.79	93.79	95.91	
1SV18CS015	11	10	21	10	10	20	11	10	21	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	15.6	16.6	16.6	15.6	25.6	53.79	57.24	57.24	53.79	58.18	
1SV18CS016	10	10	20	10	11	21	10	10	20	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	16.2	16.2	16.2	27.2	55.86	55.86	55.86	55.86	61.82	
1SV18CS017	9	9	18	7	10	17	9	9	18	2	2	2	2	2	7	7	7	7	7	16	18	18	18	28	55.17	62.07	62.07	62.07	63.64	
1SV18CS018	14	14	28	15	13	28	14	15	29	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	19.8	18.8	18.8	19.8	31.8	68.28	64.83	64.83	68.28	72.27	
1SV18CS019	14	13	27	13	13	26	13	14	27	2	2	2	2	2	8.2	8.2	8.2	8.2	8.2	23.2	24.2	23.2	24.2	36.2	80.00	83.45	80.00	83.45	82.27	
1SV18CS020	5	5	10	8	2	10	4	5	9	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	11.8	8.8	7.8	8.8	10.8	40.69	30.34	26.90	30.34	24.55	
1SV18CS021	10	10	20	15	5	10	5	5	10	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	23.6	18.6	13.6	13.6	23.6	81.38	64.14	46.90	46.90	53.64	
1SV18CS022	13	13	26	13	13	26	13	13	26	2	2	2	2	2	6	6	6	6	6	21	21	21	21	34	72.41	72.41	72.41	72.41	77.27	
1SV18CS023	7	8	15	8	7	15	8	8	16	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	18.8	17.8	18.8	18.8	25.8	64.83	61.38	64.83	64.83	58.64	
1SV18CS024	11	10	21	10	10	20	11	11	21	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	19.6	20.6	20.6	20.6	29.6	67.59	71.03	71.03	71.03	67.27	
1SV18CS025	4	5	9	5	5	10	5	4	9	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	14.6	13.6	14.6	13.6	19.6	50.34	46.90	50.34	46.90	44.55	
1SV18CS026	10	8	18	10	7	17	9	9	18	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	16.2	15.2	15.2	21.2	55.86	55.86	52.41	52.41	48.18	
1SV18CS027	10	19	29	14	14	28	14	14	28	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	20.2	16.2	20.2	20.2	39.2	69.66	55.86	69.66	69.66	89.09	
1SV18CS028	10	11	21	11	10	21	11	10	21	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	17.6	16.6	16.6	16.6	27.6	60.69	57.24	60.69	57.24	62.73	
1SV18CS029	8	8	16	10	7	17	7	10	17	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	14.2	12.2	11.2	14.2	19.						

1SV18CS040	5	4	9	4	4	8	4	4	8	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	7.2	8.2	7.2	7.2	11.2	24.83	28.28	24.83	24.83	25.45
1SV18CS041	5	3	8	4	3	7	6	1	7	2	2	2	2	2	1	1	1	1	1	7	8	9	4	9	24.14	27.59	31.03	13.79	20.45
1SV18CS042	7	7	14	10	3	13	6	6	12	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	16.4	13.4	12.4	12.4	16.4	56.55	46.21	42.76	42.76	37.27
1SV18CS043	5	5	10	5	5	10	6	4	10	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	12.6	12.6	13.6	11.6	17.6	43.45	43.45	46.90	40.00	40.00
1SV18CS044	10	1	11	10	0	10	5	5	10	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	13.8	13.8	8.8	8.8	4.8	47.59	47.59	30.34	30.34	10.91
1SV18CS045	15	9	24	10	13	23	15	8	23	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	16.6	21.6	21.6	14.6	28.6	57.24	74.48	74.48	50.34	65.00
1SV18CS046	10	1	11	5	5	10	6	4	10	2	2	2	2	2	2	2	2	2	2	9	14	10	8	10	31.03	48.28	34.48	27.59	22.73
1SV18CS047	4	1	5	3	3	6	5	1	6	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	6.2	7.2	8.2	4.2	7.2	21.38	24.83	28.28	14.48	16.36
																									54.31	51.31	53.40	51.98	50.15

Cl.
STAFF

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HOD

Principals
PRINCIPAL
SIET, TUMAKURU.
PRINCIPAL

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMKUR-06

(An ISO 9001-2008 Certified Institution)

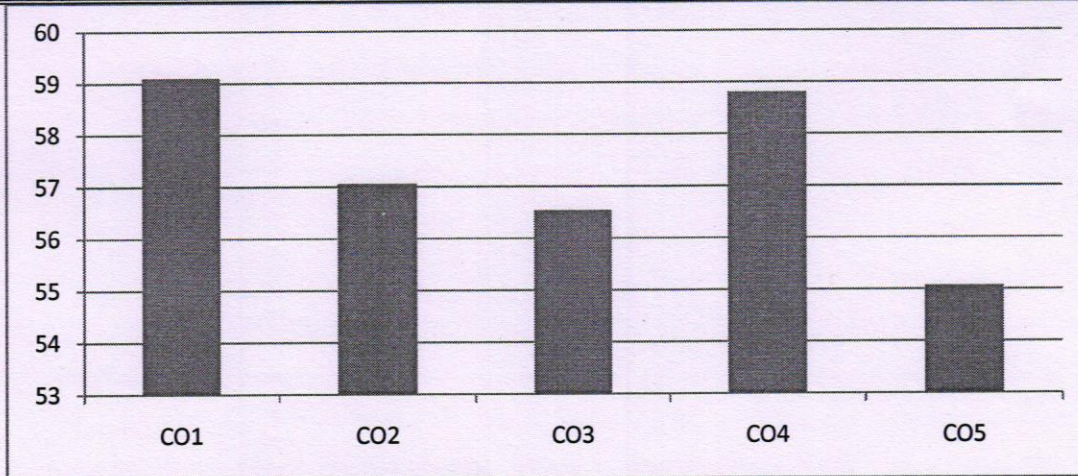
DEPARTMENT OF MATHEMATICS



COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY				
FACULTY NAME	Dr. CHETANA C/Prof. RASHMI S B				
BRANCH	ECE/EEE/CSE/CVE/ISE/ME	ACADEMIC YEAR	2018-19		
COURSE	B.E	SEMESTER	IV	SECTION	-
SUBJECT	ENGINEERING MATHEMATICS-IV		SUBJECT CODE	17MAT41	

CO & PO MAPPING

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	59	1.18	1.77	0	0	0	0	0	0	0	0	0	0.59
CO2	57	1.14	1.71	0	0	0	0	0	0	0	0	0	0.57
CO3	57	1.13	1.70	0	0	0	0	0	0	0	0	0	0.57
CO4	59	1.18	1.76	0	0	0	0	0	0	0	0	0	0.59
CO5	55	1.10	1.65	0	0	0	0	0	0	0	0	0	0.55
AVG	57	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.33



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Staff in-charge

[Signature]
HOD

[Signature]
Principal

Academic year	2018-19			SEM			4			Subject					ENGINEERING MATHEMATICS-IV					Subject Code					17MAT41														
SEM:IV	IA TEST 1(30M)			IA TEST 2(30M)			IA TEST 3(30M)			ASSIGNMENT / QUIZ(10 M)					SEE MARKS(60)					Total Cos ATTAINMENT					% of individual CO														
USN	CO1	CO3	TOTAL	CO2	CO3	TOTAL	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1=1	CO2	CO3	CO4	CO5	CO1=2	CO2=2	CO3=4	CO4=2	CO5=2	CO1	CO2	CO3	CO4	CO5										
1SV15ME012	10	5	15	10	4	14	10	5	15	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	16.2	15.2	16.2	11.2	55.9	55.9	34.5	55.9	38.6										
1SV15ME031	5	0	5	3	3	6	3	3	6	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	12.6	10.6	10.6	10.6	10.6	43.4	36.6	24.1	36.6	36.6										
1SV15ME033	1	1	2	0	1	1	1	1	2	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	7.4	6.4	8.4	7.4	7.4	25.5	22.1	19.1	25.5	25.5										
1SV15ME052	2	2	4	2	2	4	1	2	3	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	6.2	6.2	8.2	5.2	6.2	21.4	21.4	18.6	17.9	21.4										
1SV15ME064	3	0	3	1	1	2	2	1	3	2	2	2	2	2	1.4	1.4	1.4	1.4	1.4	6.4	4.4	4.4	5.4	4.4	22.1	15.2	10.0	18.6	15.2										
1SV15ME088	10	4	14	10	5	15	10	5	15	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	16.2	15.2	16.2	11.2	55.9	55.9	34.5	55.9	38.6										
1SV17ME001	3	10	13	2	10	12	3	10	13	2	2	2	2	2	4.2	5.2	5.2	5.2	5.2	10.2	9.2	27.2	10.2	17.2	35.2	31.7	61.8	35.2	59.3										
1SV17ME003	10	8	18	10	8	18	10	7	17	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	18.4	18.4	24.4	18.4	15.4	63.4	63.4	55.5	63.4	53.1										
1SV17ME004	2	10	12	1	10	11	2	10	12	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	8.2	7.2	26.2	8.2	16.2	28.3	24.8	59.5	28.3	55.9										
1SV17ME006	11	11	22	10	13	23	10	13	23	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	20.2	19.2	33.2	19.2	22.2	69.7	66.2	75.5	66.2	76.6										
1SV17ME007	14	14	28	14	13	27	14	14	28	2	2	2	2	2	3	3	3	3	3	19	19	32	19	19	65.5	65.5	72.7	65.5	65.5										
1SV17ME008	10	11	21	11	10	21	10	10	20	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	18.6	19.6	29.6	18.6	18.6	64.1	67.6	67.3	64.1	64.1										
1SV17ME011	14	1	15	4	10	14	2	13	15	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	20.6	10.6	17.6	8.6	19.6	71.0	36.6	40.0	29.7	67.6										
1SV17ME012	4	4	8	5	4	9	4	5	9	2	2	2	2	2	0.6	0.6	0.6	0.6	0.6	6.6	7.6	10.6	6.6	7.6	22.8	26.2	24.1	22.8	26.2										
1SV17ME013	14	15	29	14	14	28	15	14	29	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	23.8	23.8	38.8	24.8	23.8	82.1	82.1	88.2	85.5	82.1										
1SV17ME014	7	8	15	8	7	15	7	7	14	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	15.6	16.6	23.6	15.6	15.6	53.8	57.2	53.6	53.8	53.8										
1SV17ME015	10	10	20	10	11	21	11	10	21	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	18.2	18.2	29.2	19.2	18.2	62.8	67.8	66.4	66.2	62.8										
1SV18ME400	5	4	9	4	4	8	5	4	9	2	2	2	2	2	0	0	0	0	0	7	6	10	7	6	24.1	20.7	22.7	24.1	20.7										
1SV18ME401	7	7	14	7	7	14	12	1	13	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	9.4	9.4	16.4	14.4	3.4	32.4	32.4	37.3	49.7	11.7										
1SV18ME404	5	4	9	5	3	8	4	5	9	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	9.2	9.2	11.2	8.2	9.2	31.7	31.7	25.5	28.3	31.7										
1SV18ME407	8	2	10	10	1	11	1	10	11	2	2	2	2	2	0	0	0	0	0	10	12	5	3	12	34.5	41.4	11.4	10.3	41.4										
1SV18ME405	8	8	16	8	8	16	10	5	15	2	2	2	2	2	2.6	2.6	2.6	2.6	2.6	12.6	12.6	20.6	14.6	9.6	43.4	43.4	46.8	50.3	33.1										
1SV18ME406	5	5	10	7	3	10	5	4	9	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	9.4	11.4	12.4	9.4	8.4	32.4	39.3	28.2	32.4	29.0										
1SV18ME403	10	6	16	7	8	15	8	8	16	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	16.4	13.4	20.4	14.4	14.4	56.6	46.2	46.4	49.7	49.7										
1SV18ME408	10	6	16	6	10	16	8	7	15	2	2	2	2	2	3	3	3	3	3	15	11	21	13	12	51.7	37.9	47.7	44.8	41.4										
1SV17EC001	9	9	18	10	9	19	9	10	19	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	17.2	18.2	26.2	17.2	18.2	59.3	62.8	59.5	59.3	62.8										
1SV17EC002	10	9	19	8	10	18	9	10	19	2	2	2	2	2	3	3	3	3	3	15	13	24	14	15	51.7	44.8	54.5	48.3	51.7										
1SV17EC003	13	13	26	12	13	25	15	11	26	2	2	2	2	2	9.4	9.4	9.4	9.4	9.4	24.4	23.4	37.4	26.4	22.4	84.1	80.7	85.0	91.0	77.2										
1SV17EC004	12	15	27	15	12	27	13	13	26	2	2	2	2	2	8.4	8.4	8.4	8.4	8.4	22.4	25.4	37.4	23.4	23.4	77.2	87.6	85.0	80.7	80.7										
1SV17EC005	9	9	18	9	10	19	8	11	19	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	14.4	14.4	24.4	13.4	16.4	49.7	49.7	55.5	46.2	56.6										
1SV17EC006	10	10	20	15	5	20	9	10	19	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	19.8	24.8	24.8	18.8	19.8	68.3	85.5	56.4	64.8	68.3										
1SV17EC007	15	6	26	15	10	25	16	10	26	2	2	2	2	2	10	10	10	10	10	27	27	28	28	22	93.1	93.1	63.6	96.6	75.9										
1SV17EC008	8	8	16	7	8	15	8	8	16	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	15.2	14.2	23.2	15.2	15.2	52.4	49.0	52.7	52.4	52.4										
1SV17EC009	14	14	28	15	14	29	15	14	29	2	2	2	2	2	11	11	11	11	11	27	28	41	28	27	93.1	96.6	93.2	96.6	93.1										
1SV17EC011	7	6	13	6	6	12	10	3	13	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	14.2	13.2	19.2	17.2	10.2	49.0	45.5	43.6	59.3	35.2										
1SV17EC013	15	5	20	5	10	20	4	15	19	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	21.4	11.4	21.4	10.4	21.4	73.8	39.3	48.6	35.9	73.8										
1SV17EC014	13	10	23	11	11	22	12	11	23	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	22.6	20.6	30.6	21.6	20.6	77.9	71.0	69.5	74.5	71.0										
1SV17EC015	9	9	18	15	3	19	14	15	19	2	2	2	2	2	6	6	6	6	6	17	23	20	22	23	58.6	79.3	45.5	75.9	79.3										
1SV17EC016	5	6	11	5	5	10	10	1	11	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	10.6	10.6	16.6	15.6	6.6	36.6	36.6	37.7	53.8	22.8										
1SV18EC400	9	9	18	10	8	18	7	10	17	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	16.4	17.4	24.4	14.4	17.4	56.6	60.0	55.5	49.7	60.0										
1SV18EC401	10	10	20	11	10	21	10	11	21	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	16.8	17.8	26.8	16.8	17.8	57.9	61.4	60.9	57.9	61.4										
1SV18EC402	8	8	16	7	8	15	10	6	16	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	12.8	11.8	20.8	14.8	10.8	44.1	40.7	47.3	51.0	37.2										
1SV17EE001	7	7	14	4	10	14	12	1	13	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	12.6	9.6	22.6	17.6	6.6	43.4	33.1	51.4	60.7	22.8										
1SV17EE002	8	8	16	7	10	17	7	10	17	2	2	2	2	2	5	5	5	5	5	15	14	25	14	17	51.7	48.3	56.8	48.3	58.6										
1SV17EE003	15	3	18	12	5	17	8	10	18	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	19.4	16.4	12.4	12.4	14.4	66.9	56.6	28.2	42.8	49.7										
1SV17EE004	13	13	26	13	13	26	13	12	25	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	21.4	21.4	34.4	21.4	20.4	73.8	73.8	78.2	73.8	70.3										
1SV17EE005	15	15	30	15	15	30	15	15	30	2	2	2	2	2	11.2	11.2	11.2	11.2	11.2	28.2	28.2	43.2	28.2	28.2	97.2	97.2	98.2	97.2	97.2										
1SV17EE006	6	10	16	7	10	17	7	10	17	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	12.2	13.2	26.2	13.2	16.2	42.1	45.5	59.5	45.5	55.9										
1SV17EE007	8	8	16	13	2	15	6	10	16	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	13.4	18.4	15.4	11.4	15.4	46.2	63.4	35.0	39.3	53.1										

1SV17EE008	10	2	12	2	10	12	5	6	11	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	14.4	6.4	16.4	9.4	10.4	49.7	22.1	37.3	32.4	35.9
1SV17EE009	7	10	17	9	7	16	15	2	17	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	15.4	17.4	25.4	23.4	10.4	53.1	60.0	57.7	80.7	35.9
1SV17EE010	11	10	21	11	11	22	15	7	22	2	2	2	2	2	10.8	10.8	10.8	10.8	10.8	23.8	23.8	33.8	27.8	19.8	82.1	82.1	76.8	95.9	68.3
1SV17EE011	10	2	12	2	10	12	10	1	11	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	18.8	10.8	20.8	18.8	9.8	64.8	37.2	47.3	64.8	33.8
1SV17EE012	15	15	24	15	15	30	15	15	30	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	20.6	20.6	35.6	20.6	20.6	71.0	71.0	80.9	71.0	71.0
1SV18EE400	6	6	12	7	6	13	6	7	13	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	12.2	13.2	18.2	12.2	13.2	42.1	45.5	41.4	42.1	45.5
1SV18EE401	10	3	13	10	2	12	10	3	13	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	17.8	17.8	12.8	17.8	10.8	61.4	61.4	29.1	61.4	37.2
1SV18EE402	10	9	19	9	10	19	8	10	18	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	15.4	14.4	24.4	13.4	15.4	53.1	49.7	55.5	46.2	53.1
1SV18EE403	11	11	22	10	11	21	10	12	22	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	18.8	17.8	29.8	17.8	19.8	64.8	61.4	67.7	61.4	68.3
1SV17IS001	15	15	30	15	15	30	15	15	30	2	2	2	2	2	9.8	9.8	9.8	9.8	9.8	26.8	26.8	41.8	26.8	26.8	92.4	92.4	95.0	92.4	92.4
1SV17IS002	5	5	10	5	4	9	9	1	10	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	11.2	11.2	15.2	15.2	7.2	38.6	38.6	34.5	52.4	24.8
1SV17IS003	6	4	10	5	6	11		10	1	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	9.6	8.6	13.6	3.6	13.6	33.1	29.7	30.9	12.4	46.9
1SV17IS004	15	14	29	14	15	29	14	14	28	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	18.8	17.8	32.8	17.8	17.8	64.8	61.4	74.5	61.4	61.4
1SV17CS001	10	8	18	7	10	17	8	10	18	2	2	2	2	2	7	7	7	7	7	19	16	27	17	19	65.5	55.2	61.4	58.6	65.5
1SV17CS002	8	8	16	10	5	16	10	5	15	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	15.4	17.4	20.4	17.4	12.4	53.1	60.0	46.4	60.0	42.8
1SV17CS003	15	15	30	15	15	30	15	15	30	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	24.8	24.8	39.8	24.8	24.8	85.5	85.5	90.5	85.5	85.5
1SV17CS004	14	14	28	14	13	27	15	13	28	2	2	2	2	2	8.2	8.2	8.2	8.2	8.2	24.2	24.2	37.2	25.2	23.2	83.4	83.4	84.5	86.9	80.0
1SV17CS005	10	3	13	4	10	14	11	3	14	2	2	2	2	2	3	3	3	3	3	15	9	18	16	8	51.7	31.0	40.9	55.2	27.6
1SV17CS006	15	15	30	15	15	30	15	15	30	2	2	2	2	2	8.8	8.8	8.8	8.8	8.8	25.8	25.8	40.8	25.8	25.8	89.0	89.0	92.7	89.0	89.0
1SV17CS008	10	2	12	5	6	11	8	4	12	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	16.2	11.2	14.2	14.2	10.2	55.9	38.6	32.3	49.0	35.2
1SV17CS009	13	12	25	12	13	25	12	12	24	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	20.4	19.4	32.4	19.4	19.4	70.3	66.9	73.6	66.9	66.9
1SV17CS011	10	2	12	10	1	11	10	2	12	2	2	2	2	2	1	1	1	1	1	13	13	6	13	5	44.8	44.8	13.6	44.8	17.2
1SV17CS012	14	13	27	14	14	28	15	13	28	2	2	2	2	2	8.4	8.4	8.4	8.4	8.4	24.4	24.4	37.4	25.4	23.4	84.1	84.1	85.0	87.6	80.7
1SV17CS013	15	3	28	15	12	27	14	14	28	2	2	2	2	2	9.2	9.2	9.2	9.2	9.2	26.2	26.2	26.2	25.2	25.2	90.3	90.3	59.5	86.9	86.9
1SV17CS014	15	2	17	2	15	17	15	1	16	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	24.2	11.2	26.2	24.2	10.2	83.4	38.6	59.5	83.4	35.2
1SV17CS015	5	4	9	4	4	8	5	4	9	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	7.4	6.4	10.4	7.4	6.4	25.5	22.1	23.6	25.5	22.1
1SV17CS016	13	12	25	13	13	26	13	13	26	2	2	2	2	2	8.2	8.2	8.2	8.2	8.2	23.2	23.2	35.2	23.2	23.2	80.0	80.0	80.0	80.0	80.0
1SV17CS017	14	14	28	13	14	27	14	14	28	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	22.4	21.4	36.4	22.4	22.4	77.2	73.8	82.7	77.2	77.2
1SV17CS019	13	13	26	13	13	26	13	12	25	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	19.8	19.8	32.8	19.8	18.8	68.3	68.3	74.5	68.3	64.8
1SV17CS020	10	10	20	15	4	19	10	10	20	2	2	2	2	2	8.2	8.2	8.2	8.2	8.2	20.2	25.2	24.2	20.2	20.2	69.7	86.9	55.0	69.7	69.7
1SV17CS021	15	13	28	15	12	27	14	14	28	2	2	2	2	2	10.2	10.2	10.2	10.2	10.2	27.2	27.2	37.2	26.2	26.2	93.8	93.8	84.5	90.3	90.3
1SV17CS023	13	14	27	13	15	28	15	13	28	2	2	2	2	2	5	5	5	5	5	20	20	36	22	20	69.0	69.0	81.8	75.9	69.0
1SV17CS024	6	5	11	6	6	12	10	2	12	2	2	2	2	2	0	0	0	0	0	8	8	13	12	4	27.6	27.6	29.5	41.4	13.8
1SV17CS025	15	15	30	15	15	30	15	15	30	2	2	2	2	2	8.6	8.6	8.6	8.6	8.6	25.6	25.6	40.6	25.6	25.6	88.3	88.3	92.3	88.3	88.3
1SV17CS026	4	10	14	3	10	13	11	3	14	2	2	2	2	2	6	6	6	6	6	12	11	28	19	11	41.4	37.9	63.6	65.5	37.9
1SV17CS029	15	7	22	11	11	22	15	6	21	2	2	2	2	2	8	8	8	8	8	25	21	28	25	16	86.2	72.4	63.6	86.2	55.2
1SV17CS030	10	10	20	9	10	19	15	5	20	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	17.6	16.6	27.6	22.6	12.6	60.7	57.2	62.7	77.9	43.4
1SV17CS031	15	1	16	15	2	17	15	2	17	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	21.6	21.6	9.6	21.6	8.6	74.5	74.5	21.8	74.5	29.7
1SV17CS032	5	3	8	4	5	9	5	4	9	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	9.8	8.8	12.8	9.8	8.8	33.8	30.3	29.1	33.8	30.3
1SV17CS033	7	8	15	8	8	16	8	8	16	2	2	2	2	2	0	0	0	0	0	9	10	18	10	10	31.0	34.5	40.9	34.5	34.5
1SV17CS035	10	8	18	9	10	19	9	10	19	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	18.4	17.4	26.4	17.4	18.4	63.4	60.0	60.0	60.0	63.4
1SV17CS036	5	4	9	5	5	10	8	2	10	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	10.6	10.6	14.6	13.6	7.6	36.6	36.6	33.2	46.9	26.2
1SV17CS037	7	8	15	8	8	16	10	6	16	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	14.2	15.2	23.2	17.2	13.2	49.0	52.4	52.7	59.3	45.5
1SV17CS038	15	0	15	1	15	16	15	1	16	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	23.4	9.4	23.4	23.4	9.4	80.7	32.4	53.2	80.7	32.4
1SV17CS039	5	4	9	5	5	10	5	5	10	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	13.2	13.2	17.2	13.2	13.2	45.5	45.5	39.1	45.5	45.5
1SV17CS040	9	15	3	14	5	19	15	4	19	2	2	2	2	2	5	5	5	5	5	16	21	27	22	11	55.2	72.4	61.4	75.9	37.9
1SV17CS041	6	6	12	7	4	13	10	3	13	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	13.4	14.4	17.4	17.4	10.4	46.2	49.7	39.5	60.0	35.9
1SV17CS042	10	3	13	10	4	14	10	4	14	2	2	2	2	2	7	7	7	7	7	19	19	16	19	13	65.5	65.5	36.4	65.5	44.8
1SV15CS070	13	13	26	13	14	27	13	14	27	2	2	2	2	2	8.2	8.2	8.2	8.2	8.2	23.2	23.2	37.2	23.2	24.2	80.0	80.0	84.5	80.0	83.4
1SV17CV001	13	13	26	14	13	27	14	13	27	2	2	2	2	2	5	5	5	5	5	20	21	33	21	20	69.0	72.4	75.0	72.4	69.0
1SV17CV002	13	13	26	13	14	27	13	14	27	2	2	2	2	2	5	5	5	5	5	20	20	34	20	21	69.0	69.0	77.3	69.0	72.4
1SV17CV004	10	7	17	10	8	18	10	8	18	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	16.8	16.8	21.8	16.8	16.8	57.9	57.9	49.5	57.9	51.0
1SV17CV005	13	10	23	12	12	24	12	12	24	2	2	2	2	2	9	9	9	9	9	24	23	33	23	23	82.8	79.3	75.0	79.3	7

1SV17CV006	10	13	23	12	12	24	12	12	24	2	2	2	2	2	9	9	9	9	9	21	23	36	23	23	72.4	79.3	81.8	79.3	79.3
1SV17CV007	12	10	22	11	10	21	11	11	22	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	21.2	20.2	29.2	20.2	20.2	73.1	69.7	66.4	69.7	69.7
1SV17CV008	5	5	10	6	3	9	5	5	10	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	10.4	11.4	13.4	10.4	10.4	35.9	39.3	30.5	35.9	35.9
1SV17CV010	3	6	9	4	4	8	3	6	9	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	6.6	7.6	13.6	6.6	9.6	22.8	26.2	30.9	22.8	33.1
1SV17CV011	6	3	9	4	4	8	6	3	9	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	9.6	7.6	10.6	9.6	6.6	33.1	26.2	24.1	33.1	22.8
1SV17CV012	9	10	19	8	10	18	9	10	19	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	15.2	14.2	26.2	15.2	16.2	52.4	49.0	59.5	52.4	55.9
1SV17CV013	6	3	9	4	4	8	6	3	9	2	2	2	2	2	1	1	1	1	1	9	7	10	9	6	31.0	24.1	22.7	31.0	20.7
1SV17CV014	3	6	9	4	4	8	3	6	9	2	2	2	2	2	1	1	1	1	1	6	7	13	6	9	20.7	24.1	29.5	20.7	31.0
1SV17CV015	10	11	21	10	10	20	10	11	21	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	17.8	17.8	28.8	17.8	18.8	61.4	61.4	65.5	61.4	64.8
1SV17CV016	10	10	20	9	10	19	10	10	20	2	2	2	2	2	8	8	8	8	8	20	19	30	20	20	69.0	65.5	68.2	69.0	69.0
1SV17CV017	15	14	29	14	14	28	14	15	29	2	2	2	2	2	8	8	8	8	8	25	24	38	24	25	86.2	82.8	86.4	82.8	86.2
1SV17CV018	15	10	25	14	14	24	10	15	25	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	23.6	22.6	32.6	18.6	23.6	81.4	77.9	74.1	64.1	81.4
1SV17CV019	14	14	28	14	13	27	14	14	28	2	2	2	2	2	8.6	8.6	8.6	8.6	8.6	24.6	24.6	37.6	24.6	24.6	84.8	84.8	85.5	84.8	84.8
1SV17CV021	15	15	30	15	15	30	15	15	30	2	2	2	2	2	10.2	10.2	10.2	10.2	10.2	27.2	27.2	42.2	27.2	27.2	93.8	93.8	95.9	93.8	93.8
1SV17CV022	11	11	22	10	11	21	10	12	22	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	18.8	17.8	29.8	17.8	19.8	64.8	61.4	67.7	61.4	68.3
1SV17CV023	11	11	22	11	10	21	12	10	22	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	18.8	18.8	28.8	19.8	17.8	64.8	64.8	65.5	68.3	61.4
1SV17CV024	12	12	24	12	12	24	10	13	23	2	2	2	2	2	10	10	10	10	10	24	24	36	22	25	82.8	82.8	81.8	75.9	86.2
1SV17CV025	14	14	24	14	14	24	13	10	23	2	2	2	2	2	10	10	10	10	10	26	26	40	25	22	89.7	89.7	90.9	86.2	75.9
1SV17CV026	15	15	30	15	15	30	15	15	30	2	2	2	2	2	10	10	10	10	10	27	27	42	27	27	93.1	93.1	95.5	93.1	93.1
1SV17CV027	10	9	19	9	10	19	8	10	18	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	18.8	17.8	27.8	16.8	18.8	64.8	61.4	63.2	57.9	64.8
1SV18CV400	10	11	21	10	11	21	10	10	20	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	16.6	16.6	28.6	16.6	16.6	57.2	57.2	65.0	57.2	57.2
1SV18CV401	6	6	12	6	6	12	6	5	11	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	12.6	12.6	18.6	12.6	11.6	43.4	43.4	42.3	43.4	40.0
1SV18CV402	10	15	25	10	15	25	14	10	24	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	17.2	17.2	37.2	21.2	17.2	59.3	59.3	84.5	73.1	59.3
1SV18CV403	15	10	25	15	10	25	10	14	24	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	22.2	22.2	27.2	17.2	21.2	76.6	76.6	61.8	59.3	73.1
1SV18CV404	6	6	12	6	6	12	5	6	11	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	12.6	12.6	18.6	11.6	12.6	43.4	43.4	42.3	40.0	43.4
1SV18CV405	4	10	14	4	10	14	3	10	13	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	11.2	11.2	27.2	10.2	17.2	38.6	38.6	61.8	35.2	59.3
1SV18CV406	10	13	23	10	13	23	10	12	22	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	16.4	16.4	32.4	16.4	18.4	56.6	56.6	73.6	56.6	63.4
1SV18CV407	12	10	22	12	10	22	11	10	21	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	18.2	18.2	26.2	17.2	16.2	62.8	62.8	59.5	59.3	55.9
1SV18CV408	10	4	14	10	4	14	10	3	13	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	17.2	17.2	15.2	17.2	10.2	59.3	59.3	34.5	59.3	35.2
1SV18CV409	4	10	14	4	10	14	3	10	13	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	11.2	11.2	27.2	10.2	17.2	38.6	38.6	61.8	35.2	59.3
1SV18CV410	3	2	5	2	3	5	0	4	4	2	2	2	2	2	1.8	1.8	1.8	1.8	1.8	6.8	5.8	8.8	3.8	7.8	23.4	20.0	13.1	26.9	
1SV18CV411	8	10	18	8	10	18	7	10	17	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	15.6	15.6	27.6	14.6	17.6	53.8	53.8	62.7	50.3	60.7
1SV18CV412	10	8	18	10	8	18	10	7	17	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	17.6	17.6	23.6	17.6	14.6	60.7	60.7	53.6	60.7	50.3
1SV18CV413	11	11	22	11	11	22	11	10	21	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	18.2	18.2	29.2	18.2	17.2	62.8	62.8	66.4	62.8	59.3
1SV18CV414	6	3	9	6	3	9	4	4	8	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	11.4	11.4	11.4	9.4	9.4	39.3	39.3	25.9	32.4	32.4
1SV18CV415	6	5	11	5	6	11	5	5	10	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	10.2	9.2	15.2	9.2	9.2	35.2	31.7	34.5	31.7	31.7
1SV18CV416	10	12	22	10	12	22	10	11	21	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	18.2	18.2	32.2	18.2	19.2	62.8	62.8	73.2	62.8	66.2
1SV18CV417	11	11	22	11	11	22	11	10	21	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	19.2	19.2	30.2	19.2	18.2	66.2	66.2	68.6	66.2	62.8
1SV18CV418	14	13	27	13	14	27	13	13	26	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	23.8	22.8	36.8	22.8	22.8	82.1	78.6	83.6	78.6	78.6
1SV18CV419	14	13	27	13	14	27	13	13	26	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	23.8	22.8	36.8	22.8	22.8	82.1	78.6	83.6	78.6	78.6
																									59.1	57.1	56.3	58.8	55.1

Ch.
STAFF

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