**DEPARTMENT: MATHEMATICS** 

Semester: I

#### NAME OF THE LECTURER: N.S.V. KIRAN KUMAR

PAPER I: Differential Equations CLASS: I B.Sc. (M.P.Cs)

	EEK	AVAILABLE	SYLLABUS TOPIC ADDITIONAL INPUT/	CURRICULAR ACTIVITY	<b>R</b>	CO-CURRICUL ACTIVITY	.AR	S	
SERIAL	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC  ADDITIONAL INPUT VALUES ADDITION		ACTIVITY	HOURS ALLOTED	ACTIVITY	HOURS ALLOTED	REMARKS
MONTH: J	UNE							20	19-20
1	4 <sup>TH</sup> WEEK	6	Orientation Class Differential equations Reducible to Linear Form		OrientationClass Teaching Classes PSS	1 3 2			
2	5 <sup>TH</sup> WEEK	6	Exact differential Equations, Integrating factors.		Teaching Classes PSS	3 2	Class room seminar	1	
MONTH: J	ULY							20	19-20
3	1 <sup>ST</sup> WEEK	6	Integrating factors, Change of variables		Teaching Classes PSS	4 2			
4	2 <sup>ND</sup> WEEK	5	Orthogonal Trajectories		Teaching Classes PSS	3 2			
5	3 <sup>RD</sup> WEEK	6	Equations solvable for p, Equations solvable for x		Teaching Classes PSS	3 2	Class room seminar	1	
6	4 <sup>TH</sup> WEEK	6	Equations solvable for y I MID Examinations		Teaching Classes PSS	2			
7	5 <sup>TH</sup> WEEK	3	Equations that do not contain x (or y)		Teaching Classes PSS	2			
MONTH: A								20	19-20
8	1 <sup>ST</sup> WEEK	3	Equations of first degree in x and y -Clairaut's Equations.		Teaching Classes PSS	2			
9	2 <sup>ND</sup> WEEK	5	Solution of homogeneous linear equations of order n with constant coefficient		Teaching Classes PSS	3 2			

4							
3 <sup>RD</sup> WÉEK	4	coefficients by means of polynomial operators.  P.I of f(D)y = Qwhere Q is an exponential function	Teaching Classes PSS	2 2			
4 <sup>TH</sup> WEEK	5		PSS	3			
5 <sup>TH</sup> WEEK	6	P.I of $f(D)y = Q$ where $Q = bx^k$	Teaching Classes PSS	3 2	Class room seminar	1	
EPTEMBE	R					20	19-20
1 <sup>ST</sup>	5	Problem solving session	Teaching Classes PSS	3 2			
2 <sup>ND</sup>	4	$P.I  ext{ of } f(D)y = Q  ext{where } Q = Xv$	PSS	2			
3 <sup>RD</sup>	6	P.I of f(D)y = Qwhere Q= xmV II-MID Examinations	Teaching Classes PSS	1	Class room seminar	1	
4 <sup>TH</sup> WEEK	6	Methods of variation of parameters	Teaching Classes PSS	4 2			
OCTOBER						201	9-20
1 <sup>ST</sup> WEEK	4	Linear differential equations with non-constant coefficient	Teaching Classes PSS	2 2			
WEEK		DASARA HOLIDAYS			C1	1	
WEEK	5	The Cauchy-Euler equations	Teaching Classes PSS	2	seminar	1	
WEEK		SEMESTER END EXAMINATIONS-2019					
5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
NOVEMBE	R					20	19-20
1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2019				ļ <u>-</u>	
2 <sup>ND</sup> WEEK		SEMESTER END AND PRATCICAL EXAMINATIONS-2019					
3 <sup>RD</sup> WEEK		SEMESTER END AND PRATCICAL EXAMINATIONS-2019					
	4 <sup>TH</sup> WEEK 5 <sup>TH</sup> WEEK SEPTEMBE  1 <sup>ST</sup> WEEK 2 <sup>ND</sup> WEEK 4 <sup>TH</sup> WEEK 2 <sup>ND</sup> WEEK 3 <sup>RD</sup> WEEK 4 <sup>TH</sup> WEEK 5 <sup>TH</sup> WEEK 3 <sup>RD</sup> WEEK 3 <sup>RD</sup> WEEK 3 <sup>RD</sup> WEEK 4 <sup>TH</sup> WEEK 5 <sup>TH</sup> WEEK 5 <sup>TH</sup> WEEK 3 <sup>RD</sup> WEEK 3 <sup>RD</sup>	WEEK  4TH WEEK 5 5TH WEEK 6 SEPTEMBER  1ST WEEK 2ND WEEK 4 3RD WEEK 6 OCTOBER  1ST WEEK 2ND WEEK 3RD WEEK 3RD WEEK 5 4TH WEEK 5TH WEEK 5TH WEEK NOVEMBER 1ST WEEK 2ND WEEK 3RD	WEEK coefficients by means of polynomial operators. P.I of f(D)y = Qwhere Q is an exponential function  4 <sup>TH</sup> WEEK 5 P.I of f (D) y = Qwhere Q is b sin axor b cos ax.  General solution of f(D)y = Qwhere Q is a function of x  5 <sup>TH</sup> WEEK 6 P.I of f(D)y = Qwhere Q = bx <sup>k</sup> P.I of f(D)y = Qwhere Q = e <sup>2x</sup> V  EEPTEMBER  1 <sup>ST</sup> WEEK 5 Problem solving session  2 <sup>ND</sup> WEEK 4 P.I of f(D)y = Qwhere Q = Xv  WEEK 6 P.I of f(D)y = Qwhere Q = xmV  H-MID Examinations  4 <sup>TH</sup> WEEK 6 Methods of variation of parameters  DCTOBER  1 <sup>ST</sup> WEEK 4 Linear differential equations with non-constant coefficient  2 <sup>ND</sup> WEEK 5 The Cauchy-Euler equations  3 <sup>RD</sup> WEEK 5 SEMESTER END EXAMINATIONS-2019  NOVEMBER  1 <sup>ST</sup> WEEK SEMESTER END EXAMINATIONS-2019  NOVEMBER  1 <sup>ST</sup> WEEK SEMESTER END AND PRATCICAL  EXAMINATIONS-2019  SEMESTER END AND PRATCICAL  EXAMINATIONS-2019  SEMESTER END AND PRATCICAL	WEEK P.J of f(D)y = Qwhere Q is an exponential function PSS P.J of f(D)y = Qwhere Q is a function of x P.I of f(D)y = Qwhere Q is a function of x P.I of f(D)y = Qwhere Q is a function of x Solution of f(D)y = Qwhere Q is a function of x P.I of f(D)y = Qwhere Q is a function of x P.I of f(D)y = Qwhere Q is a function of x P.I of f(D)y = Qwhere Q is a function of x P.I of f(D)y = Qwhere Q is a function of x P.I of f(D)y = Qwhere Q is a function of x PSS  Teaching Classes PSS  Teaching Classes PSS PSS  PSS PSS PSS PSS PSS PSS PSS P	WEEK   Coefficients by means of polynomial operators.   P.I of f(D)y = Qwhere Q is an exponential function   P.I of f(D)y = Qwhere Q is b sin axor b cos ax.  General solution of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of year of x   P.I of f(D)y = Qwhere Q is a function of year of x   P.I of f(D)y = Qwhere Q is a function of year of x   P.I of f(D)y = Qwhere Q is a function of year of x   P.I of f(D)y = Qwhere Q is a function of year of x   P.I of f(D)y = Qwhere Q is a function of year of x   P.I of f(D)y = Qwhere Q is a function of year of x   P.I of f(D)y = Qwhere Q is a function of year of x   P.I of f(D)y = Qwhere Q is a function of year of x   P.I of f(D)y = Qwhere Q is a function of year of x   P.I of f(D)y = Qwhere Q is a function of year of x   P.I of f(D)y = Qwhere Q is a function of year of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q is a function of x   P.I of f(D)y = Qwhere Q	WEEK   Coefficients by means of polynomial operators.   P.I of f(D)y = Qwhere Q is an exponential function   P.I of f(D)y = Qwhere Q is be sin axor be so ax. [General solution of f(D)y = Qwhere Q is be sin axor be so ax. [General solution of f(D)y = Qwhere Q is a function of x   Teaching Classes   2   PSS   3	WEEK   P.I of f(D)y = Qwhere Q is a function of x   PSS   2   PSS   3

SIGNATURE OF THE DEPARTMENT I/C

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V.S.M. College

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**DEPARTMENT: MATHEMATICS** 

Semester: V

PAPER V: RING THEORY AND VECTOR CALCULUS CLASS: III B.Sc (M.P.Cs)

### NAME OF THE LECTURER: N.S.V.KIRAN KUMAR

	<u> </u>			<u> </u>					
_	ÆEK	AVAILABLE			CURRICULAR ACT	IVITY	CO-CURRICU	LAR ACTIVITY	KS
SERIAL	MONTH & WEEK	HOURS AVAII	SYLLABUS TOPIC	ADDITIONAL INPUT/ VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MONTH:	JUNE							20	19-20
1	3 <sup>RD</sup> WEEK	3	Definition of Ring and basic properties, Boolean Rings,		Teaching Classes PSS	2			
2	4 <sup>TH</sup> WEEK	5	divisors of zero and cancellation laws, Rings Integral Domains,		Teaching Classes PSS	3 2			
3	5 <sup>TH</sup> WEEK	5	Division Ring and Fields, The characteristic of a ring. The characteristic of an Integral Domain.		Teaching Classes PSS	2 2	Class room seminar	1	
MONTH:	JULY							20	19-20
4	1 <sup>ST</sup> WEEK	5	The characteristic of a Field, Sub Rings, Ideals		Teaching Classes PSS	3 2			
5	2 <sup>ND</sup> WEEK	4	Definition of Homomorphism – Homomorphic Image – Elementary Properties of Homomorphism –		Teaching Classes PSS	2 2			
6	3 <sup>RD</sup> WEEK	5	Kernel of a Homomorphism – Fundamental theorem of Homomorphism		Teaching Classes PSS	2 2	Classroom seminar	1	
7	4 <sup>TH</sup> WEEK	5	I MID EXAMS Maximal Ideals		Teaching Classes PSS	1 1			
8	5 <sup>TH</sup> WEEK	2	Prime ideals		Teaching Classes PSS	1 1	4 4 9	250	
MONTH:								20	19-20
9	1 <sup>ST</sup> WEEK	2	Vector Differentiation, Ordinary derivatives of vectors,	(c)	Teaching Classes PSS	1		i)	
10	2 <sup>ND</sup> WEEK	4	Differentiability		Teaching Classes PSS	. 1	Classroom seminar	1	
11	3 <sup>Rb</sup> WEEK	3	Gradient, Divergence		Teaching Classes	2			

121				PSS	1				
12	4 <sup>TH</sup> WEEK	4	Curl operators	Teaching Classes PSS	2 2				
13	5 <sup>TH</sup> WEEK	5	Formulae Involving these operatorsLine Integral	TeachingClasses PSS	2 3				-
MONTH:	SEPTEMBE	ER					<u> </u>	2019-20	-
14	1 <sup>ST</sup> WEEK	4	Surface Integral	Teaching Classes PSS	2	Classroom seminar	1		
15	2 <sup>ND</sup> WEEK	4	Volume integral with examples	Teaching Classes PSS	2 2				
16	3 <sup>RD</sup> WEEK	4	MID II EXAMS Gauss theorem	Teaching Classes PSS	1				
17	4 <sup>TH</sup> WEEK	5	Gauss theorem in plane and applications of these theorems	Teaching Classes PSS	2 2	Classroom seminar	1		
18	5 <sup>TH</sup> WEEK	4	Stokes theorem in plane and applications of these theorems	Teaching Classes PSS	2 2		= 1		
MONTH:	OCTOBER							2019-20	╛
19	1 <sup>ST</sup> WEEK	3	Green's theorem in plane and applications of these theorems	Teaching Classes PSS	2				
20	2 <sup>ND</sup> WEEK		DASARA HOLIDAYS						
21	3 <sup>RD</sup> WEEK	5	RIVISION	Teaching Classes PSS	3 2				Ī
22	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					_	-
23	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019						-
MONTH:	NOVEMBE	ER						2019-20	4
24	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2019						
25	2 <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS-2019 PRATCICAL EXAMINATIONS-2019						-
26	3 <sup>RD</sup> WEEK		PRATCICAL EXAMINATIONS-2019						

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**DEPARTMENT: MATHEMATICS** 

Semester: VI

PAPER IV: NUMERICAL ANALYSIS CLASS: III B.Sc. (M.P.Cs)

### NAME OF THE LECTURER: N.S.V. KIRAN KUMAR

۶۳ - ۱	WEEK	AVAILABLE		ADDITIONAL	CURRICULAR ACTIVITY		CO-CURRICUI ACTIVITY		KS
SERIAL	MONTH & WEEK	HOURS AVAI	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	ACTIVITY	HOURS ALLOTED	ACTIVITY	HOURS	REMARKS
MONTH:	NOVEMBE	R	·						2019-20
1	3 <sup>ND</sup> WEEK	2	Errors and their Accuracy, Mathematical preliminaries,		Teaching Classes PSS	1 1			
2	4 <sup>RD</sup> WEEK	5	Mathematical Preliminaries, Errors and their Analysis, Absolute, Relative and Percentage Errors		Teaching Classes PSS	2 2	Classroom seminar	I	
3	5 <sup>TH</sup> WEEK	5	A general error formula, Error in a series approximation.		Teaching Classes PSS	3. 2			
MONTH:	DECEMBE	R							2019-20
4	1 <sup>ST</sup> WEEK	5	The bisection method ,Theiteration method The method of false position		Teaching Classes PSS	3 2			
5	2 <sup>ST</sup> WEEK	4	Newton Raphson method, Generalized Newton Raphson method.		Teaching Classes PSS	2	Classroom seminar	1	i
6	3 <sup>ND</sup> WEEK	5	I MID EXAMINATIONS Muller's method		Teaching Classes PSS	2 2	QUIZ		
7	4 <sup>TH</sup> WEEK	2	CHRISTMAS HOLIDAYS Central Differences	Se.	Teaching Classes PSS	1 1			
MONTH: J	IANUARY	3							2019-20
9	1 <sup>ST</sup> WEEK	3	Symbolic relations ,Detection of errors by use of differences Tables, Differences of a polynomial		Teaching Classes PSS	2			
10	2 <sup>ND</sup> WEEK	4	Newton's formulae for interpolation		Teaching Classes PSS	2 2			MID 1 EXAMS CONDUCTED

	10				_			
11	3 <sup>RD</sup> WEEK		PONGAL HOLIDAYS					
	4 <sup>TH</sup>	5	Central Difference Interpolation Formulae, Gauss's	Teaching Classes PSS	2 2	Classroom seminar	1	
12	WEEK	١	central difference formulae			Semmai		
12	5 <sup>TH</sup>	4	Stirling's central difference formula, Bessel's formula,	Teaching Classes PSS	2			]
13	WEEK	-	Everett's Formula			<u></u>		2019-20
MONTH:	FEBRAUAF	RY		Trading Classes				2017-20
1.5	2 <sup>RD</sup>	4	Interpolation With unevenly spaced points, Lagrange's	Teaching Classes PSS	2			
15	WEEK	4	formula	Teaching Classes	2	Classroom	1	
16	3 <sup>TH</sup>	5	Error in Lagrange's formula Divided differences and their	PSS	2	seminar	_	
10	WEEK		properties	Teaching Classes	2			
17	4 <sup>TH</sup>	4	Relation between divided differences and forward	PSS	2			
	WEEK		differences,	Teaching Classes	1	FOSS Whichap		
	5 <sup>TH</sup>	_	II MID EXAMS Relation between divided differences and backward	PSS	1	Conducted		
18	WEEK	5	differences			Conducted		
> - C > 17771	MADCIT		differences					2019-20
MONTH:		1	Relation between Divided differences and central	Teaching Classes	2	Classroom	1	
19	1 <sup>ND</sup> WEEK	5	differences	PSS	2	seminar		
	2 <sup>ND</sup>			Teaching Classes	2			
20	WEEK	4	Newton's general interpolation Formula	PSS	2		_	MID II
	3 <sup>ND</sup>	_	Inverse interpolation	Teaching Classes PSS	3 2			EXAMS
21	WEEK	5	REVISION	100	-			CONDUCTED
22	4 <sup>TH</sup>		SEMESTER END EXAMINATIONS-2019		1			
22	WEEK		SEIVIESTER END EXAMINATIONS 2019					
23	5 <sup>TH</sup>		SEMESTER END EXAMINATIONS-2019		1			
	WEEK					·		2019-20
MONTH:	APRIL				Γ			
23	WEEK		SEMESTER END EXAMINATIONS-2019		<u> </u>		_	
	2 <sup>ND</sup>		SEMESTER END AND PRATCICAL				1	
24	WEEK		EXAMINATIONS-2019		_		_	
25	3 <sup>ND</sup>		PRATCICAL EXAMINATIONS-2019					
	WEEK 4 <sup>TR</sup>	-						ļ
26	WEEK		PRATCICAL EXAMINATIONS-2019					

SIGNATURE OF THE DEPARTMENT I/C

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**DEPARTMENT: MATHEMATICS** 

Semester: I

### NAME OF THE LECTURER: N.L.N.MALLIKA

PAPER I: Differential Equations CLASS: I B.Sc., (M.P.Cs)

~	EEK	AVAILABLE			CURRICULAR ACTIVITY		CO-CURRICUI ACTIVITY		ĶS
SERIAL	MONTH & WEEK	SYLLABUS TOPIC  INPUT/ VALUES ADDITIO		ADDITIONAL INPUT/ VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MONTH: J	UNE							20	19-20
1	4 <sup>TH</sup> WEEK	6	Orientation Class Differential equations Reducible to Linear Form		OrientationClass Teaching Classes PSS	1 3 2			
2	5 <sup>TH</sup> WEEK	6	Exact differential Equations, Integrating factors.		Teaching Classes PSS	3 2	Class room seminar	1	
MONTH: J	ULY				83			2019-	20
3	1 <sup>ST</sup> WEEK	6	Integrating factors, Change of variables		Teaching Classes PSS	4 2			
4	2 <sup>ND</sup> WEEK	5	Orthogonal Trajectories		Teaching Classes PSS	3 2			
5	3 <sup>RD</sup> WEEK	6	Equations solvable for p, Equations solvable for x		Teaching Classes PSS	3 2	Class room seminar	1	
6	4 <sup>TH</sup> WEEK	6	Equations solvable for y I MID Examinations		Teaching Classes PSS	2 1			
7	5 <sup>TH</sup> WEEK	3	Equations that do not contain x (or y)		Teaching Classes PSS	2 1			
MONTH: A								201	9-20
8	1 <sup>ST</sup> WEEK	3	Equations of first degree in x and y -Clairaut's Equations.		Teaching Classes PSS	2			
9	2 <sup>ND</sup> WEEK	5	Solution of homogeneous linear equations of order n with constant coefficient		Teaching Classes PSS	3 2			

9	3 <sup>RD</sup> WEEK	4	Solution of homogeneous linear differential with constant coefficients by means of polynomial operators.  P.I of f(D)y = Qwhere Q is an exponential function	Teaching Classes PSS	2 2			
10	4 <sup>TH</sup> WEEK	5	P.I of f (D) y = Qwhere Q is b sin axor b cos ax.  General solution of f(D)y = Qwhere Q is a function of x	Teaching Classes PSS	2 3			
11	5 <sup>TH</sup> WEEK	6	P.I of $f(D)y = Q$ where $Q = bx^k$ P.I of $f(D)y = Q$ where $Q = e^{ax}V$	Teaching Classes PSS	3 2	Class room seminar	1	
MONTH :S	EPTEMBE	R					201	9-20
12	1 <sup>ST</sup> WEEK	5	Problem solving session	Teaching Classes PSS	3 2			
13	2 <sup>ND</sup> WEEK	4	P.I of $f(D)y = Q$ where $Q = xV$	Teaching Classes PSS	2 2			
14	3 <sup>RD</sup> WEEK	6	P.I of f(D)y = Qwhere Q= xmV II-MID Examinations	Teaching Classes PSS	1 1	Class room seminar	1	
15	4 <sup>TH</sup> WEEK	6	Methods of variation of parameters	Teaching Classes PSS	4 2		<u> </u>	
MONTH:	OCTOBER						201	9-20
16	1 <sup>ST</sup> WEEK	4	Linear differential equations with non-constant coefficient	Teaching Classes PSS	2 2			
17	2 <sup>ND</sup> WEEK		DASARA HOLIDAYS					
18	3 <sup>RD</sup> WEEK	5	The Cauchy-Euler equations	Teaching Classes PSS	2 2	Class room seminar	1	
19	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019				ļ	
20	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
MONTH:		R					1 20	)19-20
21	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2019				_	
22	2 <sup>ND</sup> WEEK		SEMESTER END AND PRATCICAL EXAMINATIONS-2019					
23	3 <sup>RD</sup> WEEK		SEMESTER END AND PRATCICAL EXAMINATIONS-2019					

SIGNATURE OF THE DEPARTMENT I/C

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**DEPARTMENT: MATHEMATICS** 

Semester: III

PAPER III: ABSTRACT ALGEBRA CLASS: II B.Sc ( M.P.Cs )

#### NAME OF THE LECTURER: N.L.N.MALLIKA

	EEK	ABLE			CURRICULAR ACT	IVITY	CO-CURRICU	LAR ACTIVITY	KS
SERIAL	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	ADDITIONAL INPUT/ VALUES ADDITION	АСПУПУ	HOURS	ACTIVITY	HOURS	REMARKS
MONTH:	JUNE							2019-2	20
I.	3 <sup>RD</sup> WEEK	4	Binary operation – Algebraic structure – semi group – monoid - Group definition		Teaching Classes PSS	2 2			
2	4 <sup>TH</sup> WEEK	6	Problems solved on group definition		Teaching Classes PSS	4 2			
3	5 <sup>TH</sup> WEEK	6	Elementary properties finite and infinite groups – examples		Teaching Classes PSS	3 2	Class room seminar	1	
MONTH:	JULY							201	9-20
4	1 <sup>ST</sup> WEEK	6	Order of a group. Composition tables with examples		Teaching Classes PSS	4 2			
5	2 <sup>ND</sup> WEEK	5	Union and intersection of subgroups .cosets definition properties of cosets		Teaching Classes PSS	3 2			
6	3 <sup>RD</sup> WEEK	6	Index of subgroups of a finite groups – Lagrange's theorem		Teaching Classes PSS	3 2	Classroom seminar	1	
7	4 <sup>TH</sup> WEEK	6	I MID EXAMS  Definition of normal subgroup – proper and improper normal subgroup- Hamilton group – criterion for a subgroup to be a normal subgroup		Teaching Classes PSS	2 1			
8	5 <sup>TH</sup> WEEK	3	Intersection of two normal subgroup – sub group of index 2 is a normal sub group	* 1	Teaching Classes PSS	1			

ONTH:	AUGUST						201	9-20
9	1 <sup>ST</sup> WEEK	3	simple group- quotient group -criteria for the existence of a quotient group.	Teaching Classes PSS	2			
10	2 <sup>ND</sup> WEEK	5	Definition of homomorphism – image of homomorphism elementary properties of homomorphism	Teaching Classes PSS	3 2	Classroom seminar	1	
11	3 <sup>RD</sup> WEEK	4	Isomorphism –automorphism definitions and elementary properties –kernel of a homomorphism	Teaching Classes PSS	3			
12	4 <sup>TH</sup> WEEK	5	Fundamental theorem on homomorphism and applications.	Teaching Classes PSS	3 2			
13	5 <sup>TH</sup> WEEK	6	Definition of permutation- permutation multiplication	TeachingClasses PSS	3			
10NTH:	SEPTEMBE	ER					20	19-20
14	1 <sup>ST</sup> WEEK	5	Problems solving session	Teaching Classes PSS	2 2	Classroom seminar	1	
15	2 <sup>ND</sup> WEEK	4	Inverse of a permutation –cyclic permutations-	Teaching Classes PSS	2 2			
16	3 <sup>RD</sup> WEEK	5	II MID Exams Transpositions	Teaching Classes PSS	1			
17	4 <sup>TH</sup> WEEK	6	Even and odd permutations - Cayley's theorem	Teaching Classes PSS	3 2	Classroom seminar	1	
18	5 <sup>TR</sup> WEEK	5	Definition of cyclic group –elementary properties	Teaching Classes PSS	3 2			
MONTH:	OCTOBER						20	019-20
19	1 <sup>ST</sup> WEEK	4	Classification of cyclic groups	Teaching Classes PSS	2 2			
20	2 <sup>ND</sup> WEEK		DASARA HOLIDAYS					
21	3 <sup>RD</sup> WEEK	6	RIVISION	Teaching Classes PSS	3 2	Classroom seminar	1	
22	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
23	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
MONTH:	NOVEMBE	R						2019-2
24	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
25	2 <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS-2019 PRATCICAL EXAMINATIONS-2019					
26	3 <sup>RD</sup> WEEK		PRATCICAL EXAMINATIONS-2019					

SIGNATURE OF THE DEPARTMENT I/C

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**DEPARTMENT: MATHEMATICS** 

Semester: II

PAPER II: SOLID GEOMETRY CLASS: I B.Sc., (M.P.Cs)

### NAME OF THE LECTURER: N.L.N. MALLIKA

L SR	WEEK	S	ADDITIONAL INPUT/ SYLLABUS TOPIC  ADDITIONAL INPUT/ VALUES	ADDITIONAL	CURRICULAR ACTIVITY		CO-CURRICUI ACTIVITY		RKS
SERIAL	MONTH & WEEK	HOURS	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	АСТІУІТУ	HOURS	АСТІИПУ	HOURS	REMARKS
MONTH: N	NOVEMBE	R							2019-20
1	3 <sup>ND</sup> WEEK	3	Equation of a plane in terms of its intercept on the axis, Equation of the plane through the given points		Teaching Classes PSS	2			
2	4 <sup>RD</sup> WEEK	6	Length of the perpendicular from a given point to a given plane, Bisectors of angle between two planes		Teaching Classes PSS	3			
3	5 <sup>TH</sup> WEEK	6	Combined equation of two planes ,orthogonal projection on a plane		Teaching Classes PSS	3 2	Class room seminar	1	
MONTH : I	ЕСЕМВЕ	R							2019-20
4	1 <sup>ST</sup> WEEK	6	Equation of aline, angle between a line and a plane		Teaching Classes PSS	3			
5	2 <sup>ND</sup> WEEK	5	The condition that a given line may lie in a given plane, The condition that two given lines are coplanar		Teaching Classes PSS	2 2	Classroom seminar	1	
6	3 <sup>RD</sup> WEEK	6	Number of arbitrary constants in the equation of a straight line, Sets of conditions which determine a lines I MID examinations		Teaching Classes PSS	1 1	QUIZ	1	
7	4 <sup>TH</sup> WEEK	3	Christmas Holidays The length and equation of the line of shortest distance between two Straight lines		Teaching Classes PSS	2 1			
MONTH: J	ANUARY					1 6 1			2019-20
8	1 <sup>ST</sup> WEEK	4	Length of the perpendicular from a given point to a given line		Teaching Classes PSS	2 2			
9	2 <sup>ND</sup> WEEK	5	Definition and equation of the sphere, equation of the sphere throughFour given points, plane sections of a sphere	11	Teaching Classes PSS	3 2			MID I EXAMS CONDUCTED
10	3 <sup>ND</sup>		PONGAL HOLIDAYS					/	

	WEEK								
11	4 <sup>ND</sup> WEEK	6	Intersection of two sphere ,equation of a circle, sphere through a givenCircle ,intersection of a sphere and lie , power of a point	2 = -	Teaching Classes PSS	3			
12	5 <sup>RD</sup> WEEK	5	Tangent plane ,plane of contact , polar plane Pole of a plane , conjugate points, conjugate planes, Angle of intersections of two spheres	= 4	Teaching Classes PSS	2 2	Class room seminar	1	
MONTH:	FEBRUARY	7					<del></del>		2019-20
13	2 <sup>TH</sup> WEEK	5	Conditions for two spheres to be orthogonal, radical plane, coaxial system of spheres, simplified from of the equations of two spheres.		Teaching Classes PSS	3 2			
14	3 <sup>ND</sup> WEEK	6	Definitions of a cone, vertex, guiding curve, generators, equation of the cone with a given vertex and guiding curve, enveloping cone of a sphere, Equations of cones with vertex at origin are homogenous.		Teaching Classes PSS	2			
15	4 <sup>RD</sup> WEEK	5	Condition that the general equation of the second degree should represent a cone,		Teaching Classes PSS	4 2			
16	5 <sup>TH</sup> WEEK	6	II Mid exams condition that a cone may have three mutually perpendicular generators		Teaching Classes PSS	1 1	Class room seminar	1	FOSS Which
MONTH:	MARCH							-	2019-20
	1 <sup>ST</sup> WEEK	6	Intersections of a line and a quadric cone, tangent lines and tangent plane at a point		Teaching Classes PSS	1			
17	2 <sup>ND</sup> WEEK	5	Condition that a plane may touch a cone, reciprocal cones,		Teaching Classes PSS	3	Class room seminar	1	
18	3 <sup>RD</sup> WEEK	6	intersections of two cones with a common vertexRIVISION		Teaching Classes PSS	4 2			MID II EXAMS CONDUCTED
19	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019						
20	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019						2010 20
MONTH:						1		_	2019-20
21	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2019					_	
22	2 <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS-2019					-	
23	3 <sup>RD</sup> WEEK		PRATCICAL EXAMINATIONS-2019						

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Phil., B.Ed., Head of the Mathematics Department V.S.M. College HANDRAPUM 533 255

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**DEPARTMENT: MATHEMATICS** 

Semester: IV

PAPER IV: REAL ANALYSIS CLASS: II B.Sc. (M.P.Cs)

### NAME OF THE LECTURER: N.L.N.MALLIKA

. ~	EEK	AVAILABLE			CURRICULAR ACTIVITY	2	CO-CURRICULAI ACTIVITY		KS
SERIAL	MONTH & WEEK	HOURS AVA	SYLLABUS TOPIC	ADDITIONAL INPUT/ VALUES ADDITION	ACTIVITY	HOURS ALLOTED	ACTIVITY	HOURS	REMARKS
MONTH:	NOVEMBE	R							2019-20
1	3 <sup>ND</sup> WEEK	3	The algebraic and order properties of R, absolute value and real line, completeness property of R, Applications of supreme property; intervals. No Question is to be set from this portion		Teaching Classes PSS	2			
2	4 <sup>RD</sup> WEEK	6	Sequence and their limits, range and boundedness of sequences, Limit of a sequence. the Cauchy's criterion, properly divergent sequences		Teaching Classes PSS	3 2	Classroom seminar	1	
3	5 <sup>TH</sup> WEEK	6	Monotone sequence, necessary and sufficient condition for convergence of monotone sequence, limit point f sequence, subsequences and the Bolzano- weierstrass theorem —Cauchy sequences — cauchey's general principle of convergence theorem.		Teaching Classes PSS	4. 2			
MONTH : I	DECEMBE	R							2019-20
4	1 <sup>ST</sup> WEEK	6	Introduction to series, convergence of series. Cauchy's general principle of convergence of series tests for convergence of series, series of non-negative terms.		Teaching Classes PSS	3			
5	2 <sup>ST</sup> WEEK	5	1P-test 2.cauchy's root test or root test .3. D' Alembert's test or ratio test .		Teaching Classes PSS	3 2	Classroom seminar	1	
6	3 <sup>ND</sup> WEEK	6	I MID EXAMINATIONS 4. Alternating series.		Teaching Classes PSS	2	QUIZ		
7	4 <sup>RD</sup> WEEK	3	Leibnitz test. Absolute convergence and conditional convergence CHRISTMAS HOLIDAYS		Teaching Classes PSS	2			
8	5 <sup>TH</sup> WEEK	2	Llimit concept Real valued functions. Roundedness of a function		Teaching Classes PSS	1 1			16

	1 <sup>ST</sup>		Limits of functions		Teaching Classes	2	100	Г	
- 9	WEEK	4	Limits of functions  Limits of functions. Some extensions of the limit concept		PSS	2			
	2 <sup>ND</sup>		Infinite limit at infinity. No. question is to be set from this	A II-on-Progre	-Teaching Classes	3			MID I
10	WEEK	5	portion continuous functions:	Add-on-Progressived 300	by PSS	2	<u></u>		EXAMS CONDUCTED
11	3 <sup>RD</sup> WEEK		PONGAL HOLIDAYS						
12	4 <sup>TH</sup> WEEK	6	Continuous functions on intervals Uniform continuity		Teaching Classes PSS	3 2	Classroom seminar	1	
13	5 <sup>TH</sup> WEEK	5	The derivability of a function, on an interval at a point , derivability and continuity of function, graphical meaning of the derivative		Teaching Classes PSS	3 2			
MONTH:	FEBRAUAI	RY							2019-20
15	2 <sup>RD</sup> WEEK	5	Mean value theorems		Teaching Classes PSS	3 2			
16	3 <sup>TH</sup> WEEK	6	Role's theorem, Lagrange's theorem		Teaching Classes PSS	3 2	Classroom seminar	1	
17	4 <sup>1H</sup> WEEK	5	Cauchy 's Cauchy's mean value theorem ,.	Add-on- Program	- Teaching Classes PSS	3 2			
10	5 <sup>TH</sup>	6	II MID EXAMS	Zhau.	Teaching Classes	2			HOSS WHOWO
18	WEEK	О	Riemann integral functions	<u> </u>	PSS	1			Conducted 2019-20
MONTH:	MARCH				m 1: 01		<u> </u>	1 1	2019-20
19	1 <sup>ND</sup> WEEK	6	darboux theorem		Teaching Classes PSS	3 2	Classroom seminar	<u> </u>	
20	2 <sup>ND</sup> WEEK	5	necessary and sufficient condition for R –inerrability ,Properties of integrals function s		Teaching Classes PSS	3 2			
21	3 <sup>ND</sup> WEEK	6	Integral as the limit of a sum, mean value theorems		Teaching Classes PSS	3			
22	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019						MID II EXAMS CONDUCTED
23	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019						
MONTH:									2019-20
23	I <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS-2019						
24	2 <sup>ND</sup> WEEK		SEMESTER END AND PRATCICAL EXAMINATIONS-2019						
25	3 <sup>ND</sup>		PRATCICAL EXAMINATIONS-2019						
	WEEK 4 <sup>TH</sup>								
26	WEEK		PRATCICAL EXAMINATIONS-2019	the second second					

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**DEPARTMENT: MATHEMATICS** 

Semester: V

PAPER VI: LINEAER ALGEBRA CLASS: III B.Sc ( M.P.C &M.P.Cs)

### NAME OF THE LECTURER: S.MANIKANTA

	<u> </u>						1		
. ~	ÆEK	LABLE			CURRICULAR ACT	IVITY	CO-CURRICU	LAR ACTIVITY	KS
SERIAL	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	ADDITIONAL INPUT/ VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MONTH:	JUNE		<del></del>			<u> </u>		2019	-20
1	3 <sup>RD</sup> WEEK	3	Vector Spaces, General properties of vector spaces, n-dimensional Vectors, addition and scalar multiplication of Vectors, internal and external composition, Null space.		Teaching Classes PSS	2			
2	4 <sup>TH</sup> WEEK	5	Vector subspaces, Algebra of subspaces, Linear Sum of two subspaces, linear combination of Vectors.		Teaching Classes PSS	3 2			
3	5 <sup>TH</sup> WEEK	5	Linear span Linear independence and Linear dependence of Vectors.		Teaching Classes PSS	2 2	Class room seminar	1	
MONTH:	JULY							201	9-20
4	1 <sup>ST</sup> WEEK	5	Basis of Vector space, Finite dimensional Vector spaces		Teaching Classes PSS	3 2			
5	2 <sup>ND</sup> WEEK	4	Basis extension, co-ordinates, Dimension of a Vector space, Dimension of a subspace.		Teaching Classes PSS	2 2			
6	3 <sup>RD</sup> WEEK	5	Quotient space and Dimension of Quotient space.		Teaching Classes PSS	2 2	Classroom seminar	1	
7	4 <sup>TH</sup> WEEK	5	I MID EXAMS Algebra of Linear Operators		Teaching Classes PSS	1 1			
8	5 <sup>TH</sup> WEEK	2	Range and null space of linear transformation		Teaching Classes PSS	1 1			
MONTH:								201	9-20
9	1 <sup>ST</sup> WEEK	2	Rank and Nullity of linear transformations – Rank – Nullity Theorem.	=-7	Teaching Classes PSS	1			

				Teaching Classes	1	Classroom	1	
10	2 <sup>ND</sup>	4	Matrices, Elementary Properties of Matrices, Inverse	PSS	2	seminar	•	
	WEEK	·	Matrices, Rank of Matrix.			Sciiiiiai		
11	3 <sup>RD</sup>	3	Linear Equations, Characteristic Roots, Characteristic	Teaching Classes PSS	2			
11	WEEK		Values & Vectors of square Matrix.		1			
12	4 <sup>TH</sup>	4	Cayley - Hamilton Theorem and Problems.	Teaching Classes	2	<u> </u>		
12	WEEK	4		PSS	2			
12	5 <sup>TH</sup>	5	Matrices, Elementary Properties of Matrices, Inverse	TeachingClasses PSS	2			
13	WEEK	כ	Matrices, Rank of Matrix	F55	3			
MONTH:	SEPTEMBE	ER					2	2019-20
	1 <sup>ST</sup>			Teaching Classes	2	Classroom	1	
14	WEEK	4	Inner product spaces	PSS	1:	seminar		
	2 <sup>ND</sup>		Euclidean and unitary spaces, Norm or length of a	Teaching Classes	2			-
15	WEEK	4	Vector.	PSS	2			
ļ			MID II EXAMS	Teaching Classes	1		·	
	3 <sup>RD</sup>			PSS				
16	WEEK	4	Schwartz inequality, Triangle in Inequality, Parallelogram		İ			1 1
			law.	Teaching Classes	2	Classroom	1	<del></del>
17	4 <sup>TH</sup>	5	Orthogonality, Orthonormal set.complete orthonormal	PSS	2	seminar	-	
	WEEK		set,	Too big Classes	2			
18	5 <sup>TH</sup>	4	Gram – Schmidt orthogonalisation process	Teaching Classes PSS	$\frac{2}{2}$			
	WEEK		Ordin Common Services	100	4-			2019-20
MONTH:	OCTOBER							1013-20
19	1 <sup>ST</sup>	3	Bessel's inequality and Parseval's Identity	Teaching Classes PSS	2			
19	WEEK		Desset's inequality and I arseval s Identity	1755	<sup>1</sup>	-		
20	2 <sup>ND</sup>		DASARA HOLIDAYS					~
20	WEEK		DAGARA HODIDATO	Teaching Classes	3			
21	3 <sup>RD</sup>	5	RIVISION	PSS PSS	2			
	WEEK		ALT TOTAL	100			<del></del>	
22	4 <sup>TH</sup>		SEMESTER END EXAMINATIONS-2019			1		
	WEEK							
23	5 <sup>TH</sup>		SEMESTER END EXAMINATIONS-2019					
	WEEK	<u> </u>						2019-20
MONTH:	NOVEMBE	R				<del> </del>		012-20
24	1 <sup>ST</sup>		SEMESTER END EXAMINATIONS-2019					
24	WEEK				-			
25	2 <sup>ND</sup>		SEMESTER END EXAMINATIONS-2019			1		
25	WEEK		PRATCICAL EXAMINATIONS-2019					
26	3 <sup>RD</sup>	1	PRATCICAL EXAMINATIONS-2019					
26	WEEK		TRATCICAL EARIMINATIONS-2017		1	1	·	

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**DEPARTMENT: MATHEMATICS** 

Semester: II

PAPER II; SOLID GEOMETRY CLASS: I B.Sc. (M.P.C)

### NAME OF THE LECTURER: S.MANIKANTA

J K	WEEK	LABLE		ADDITIONAL	CURRICULAR ACTIVITY		CO-CURRICUI ACTIVITY		RKS
SERIAL	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	ACTIVITY	110URS ALLOTED	ACTIVITY	HOURS	REMARKS
MONTH:	NOVEMBE	R				1			2019-20
1	3 <sup>ND</sup> WEEK	3	Equation of a plane in terms of its intercept on the axis, Equation of the plane through the given points		Teaching Classes PSS	2			
2	4 <sup>RD</sup> WEEK	6	Length of the perpendicular from a given point to a given plane, Bisectors of angle between two planes		Teaching Classes PSS	3			
3	5 <sup>TH</sup> WEEK	6	Combined equation of two planes ,orthogonal projection on a plane		Teaching Classes PSS	3 2	Class room seminar	1	
MONTH : I	DECEMBE	R		·					2019-20
4	1 <sup>ST</sup> WEEK	6	Equation of aline, angle between a line and a plane		Teaching Classes PSS	3			
5	2 <sup>ND</sup> WEEK	5	The condition that a given line may lie in a given plane, The condition that two given lines are coplanar		Teaching Classes PSS	2 2	Class room seminar	1	
6	3 <sup>RD</sup> WEEK	6	Number of arbitrary constants in the equation of a straight line, Sets of conditions which determine a lines I MID examinations		Teaching Classes PSS	1	QUIZ	1	
7	4 <sup>TH</sup> WEEK	3	Christmas Holidays The length and equation of the line of shortest distance between two Straight lines		Teaching Classes PSS	1			
MONTH:	JANUARY			1	- 1: C1	T 0	<u> </u>		2019-20
8	I <sup>ST</sup> WEEK	4	Length of the perpendicular from a given point to a given line		Teaching Classes PSS	2 2			
9	2 <sup>ND</sup> WEEK	5	Definition and equation of the sphere, equation of the sphere throughFour given points, plane sections of a sphere	1	Teaching Classes PSS	3 2	č 8=		MID I EXAMS CONDUCTED
10	3 <sup>ND</sup>		PONGAL HOLIDAYS						
	1								

	WEEK							
11	4 <sup>ND</sup> WEEK	6	Intersection of two sphere ,equation of a circle, sphere through a givenCircle ,intersection of a sphere and lie , power of a point	Teaching Classes PSS	3			
12	5 <sup>RD</sup> WEEK	5	Tangent plane ,plane of contact , polar plane Pole of a plane , conjugate points, conjugate planes, Angle of intersections of two spheres	Teaching Classes PSS	2 2	Class room seminar	1	
MONTH:	FEBRUARY	Y.						2019-20
13	2 <sup>TH</sup> WEEK	5	Conditions for two spheres to be orthogonal, radical plane, coaxial system of spheres, simplified from of the equations of two spheres.	Teaching Classes PSS	3 2			
14	3 <sup>ND</sup> WEEK	6	Definitions of a cone, vertex, guiding curve, generators, equation of the cone with a given vertex and guiding curve, enveloping cone of a sphere, Equations of cones with vertex at origin are homogenous.	Teaching Classes PSS	2			
15	4 <sup>RD</sup> WEEK	5	Condition that the general equation of the second degree should represent a cone,	Teaching Classes PSS	4 2			
16	5 <sup>TH</sup> WEEK	6	II Mid exams condition that a cone may have three mutually perpendicular generators	Teaching Classes PSS	1	Class room seminar	1	FOSS which
MONTH:	MARCH							2019-20
	1 <sup>ST</sup> WEEK	6	Intersections of a line and a quadric cone, tangent lines and tangent plane at a point	Teaching Classes PSS	3			
17	2 <sup>ND</sup> WEEK	5	Condition that a plane may touch a cone, reciprocal cones,	Teaching Classes PSS	3 I	Class room seminar	1	
18	3 <sup>RD</sup> WEEK	6	intersections of two cones with a common vertex RIVISION	Teaching Classes PSS	4 2			MID II EXAMS CONDUCTED
19	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019			_		
20	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
MONTH:								2019-20
21	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
22	2 <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS-2019	- 2753.30				
23	3 <sup>RD</sup> WEEK		PRATCICAL EXAMINATIONS-2019					

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M.Sc., M.Phil , B.Ed., Head of the introducts Department V.S.M. College RAMACHANDRAPURAM-533 255 SIGNATURE OF PHE PRINCIPAL

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**DEPARTMENT: MATHEMATICS** 

Semester: IV

PAPER VII : NUMERICAL ANALYSIS CLASS: III B.Sc. (M.P.C)

#### NAME OF THE LECTURER: S.MANIKANTA

_	EEK	H & WEEK AVAILABLE		ADDITIONAL	CURRICULAR ACTIVITY		CO-CURRICULAR ACTIVITY		KS
SERIAL	MONTH & WEEK	HOURS AVAIL	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS ALLOTED	REMARKS
MONTH:	NOVEMBE	R						, ,	2019-20
1	3 <sup>ND</sup> WEEK	2	Errors and their Accuracy, Mathematical preliminaries,		TeachingClasses PSS	1			
2	4 <sup>RD</sup> WEEK	5	Mathematical Preliminaries, Errors and their Analysis, Absolute, Relative and Percentage Errors		Teaching Classes PSS	2 2	Classroom seminar	1	
3	5 <sup>TH</sup> WEEK	5	A general error formula, Error in a series approximation.		Teaching Classes PSS	3.			
MONTH:	DECEMBE	R							2019-20
4	1 <sup>ST</sup> WEEK	5	The bisection method, Theiteration method The method of false position		Teaching Classes PSS	3 2			
5	2 <sup>ST</sup> WEEK	4	Newton Raphson method, Generalized Newton Raphson method.	1000	Teaching Classes PSS	2	Classroom seminar	1	
6	3 <sup>NB</sup> WEEK	5	I MID EXAMINATIONS Muller's method		Teaching Classes PSS	2 2	QUIZ	1	
7	4 <sup>RD</sup> WEEK	2	CHRISTMAS HOLIDAYS Central Differences		Teaching Classes PSS	1 1			
MONTH:	JANUARY		[24]						2019-20
9	1 <sup>ST</sup> WEEK	3	Symbolic relations, Detection of errors by use of differences Tables, Differences of a polynomial		Teaching Classes PSS	2			

10	2 <sup>ND</sup> WEEK	4	Newton's formulae for interpolation	Teaching Classes PSS	2 2			MID I EXAMS CONDUCTED
11	3 <sup>RD</sup>		PONGAL HOLIDAYS			:		CONDUCTED
12	WEEK 4 <sup>TH</sup> WEEK	5	Central Difference Interpolation Formulae, Gauss's central difference formulae	Teaching Classes PSS	2 2	Classroom seminar	1	
13	5 <sup>TH</sup> WEEK	4	Stirling's central difference formula, Bessel's formula, Everett's Formula	Teaching Classes PSS	2 2			
MONTH:	FEBRAUAI	RY			*			2019-20
15	2 <sup>RD</sup> WEEK	4	Interpolation With unevenly spaced points, Lagrange's formula	Teaching Classes PSS	2 2			
16	3 <sup>TH</sup> WEEK	5	Error in Lagrange's formula Divided differences and their properties	Teaching Classes PSS	2 2	Classroom seminar	1	
17	4 <sup>TH</sup> WEEK	4	Relation between divided differences and forward differences,	Teaching Classes PSS	2 2			
18	5 <sup>TH</sup> WEEK	5	II MID EXAMS Relation between divided differences and backward differences	Teaching Classes PSS	1			Foss Work Alop Conducted
MONTH:	MARCH							2019-20
19	I <sup>ND</sup> WEEK	5	Relation between Divided differences and central differences	Teaching Classes PSS	2 2	Classroom seminar	1	
20	2 <sup>ND</sup> WEEK	4	Newton's general interpolation Formula	Teaching Classes PSS	2 2			
21	3 <sup>ND</sup> WEEK	5	Inverse interpolation REVISION	Teaching Classes PSS	3 2			MID II EXAMS CONDUCTED
22	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
23	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019		L			
MONTH:						_		2019-20
23	1 <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS-2019		<u> </u>			
24	2 <sup>ND</sup> WEEK		SEMESTER END AND PRATCICAL EXAMINATIONS-2019					2
25	3 <sup>ND</sup> WEEK		PRATCICAL EXAMINATIONS-2019					
26	4 <sup>TH</sup> WEEK_		PRATCICAL EXAMINATIONS-2019					

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**DEPARTMENT: MATHEMATICS** 

Semester: I

NAME OF THE LECTURER: G.T.SWARNA LATA

PAPER I: Differential Equations CLASS: I B.Sc., (M.P.C)

	A A A	ABLE			CURRICULAR ACTIVITY		CO-CURRICUI ACTIVITY	LAR	KS
SERIAL	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	ADDITIONAL INPUT/ VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MONTH: J	IUNE		I	, l					2019-20
1	4 <sup>TH</sup> WEEK	6	Orientation Class Differential equations Reducible to Linear Form		Teaching Classes PSS	1 3 2			
2	5 <sup>TH</sup> WEEK	6	Exact differential Equations, Integrating factors.		Teaching Classes PSS	3 2	Class room seminar	1	
MONTH: J	ULY								2019-20
3	1 <sup>ST</sup> WEEK	6	Integrating factors, Change of variables		Teaching Classes PSS	2			
4	2 <sup>ND</sup> WEEK	5	Orthogonal Trajectories		Teaching Classes PSS	3 2			
5	3 <sup>RD</sup> WEEK	6	Equations solvable for p, Equations solvable for x	- 8	Teaching Classes PSS	3 2	Class room seminar	1	
6	4 <sup>TH</sup> WEEK	6	Equations solvable for y I MID Examinations		Teaching Classes PSS	2			
7	5 <sup>TH</sup> WEEK	3	Equations that do not contain x (or y)		Teaching Classes PSS	2			
MONTH: A									2019-20
8	1 <sup>ST</sup> WEEK	3	Equations of first degree in x and y -Clairaut's Equations.		Teaching Classes PSS	2			
9	2 <sup>ND</sup> WEEK	5	Solution of homogeneous linear equations of order n with constant coefficient		Teaching Classes PSS	3 2			

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,					-		1 .	(c)
9	3 <sup>RD</sup> WEEK	4	Solution of homogeneous linear differential with constant coefficients by means of polynomial operators.  P.I of f(D)y = Qwhere Q is an exponential function	Teaching Classes PSS	2 2			
10	4 <sup>TH</sup> WEEK	5	P.I of f (D) y = Qwhere Q is b sin axor b cos ax.  General solution of f(D)y = Qwhere Q is a function of x	Teaching Classes PSS	2 3			
11	5 <sup>TH</sup> WEEK	6	P.I of $f(D)y = Q$ where $Q = bx^k$ P.I of $f(D)y = Q$ where $Q = e^{ax}V$	Teaching Classes PSS	3 2	Class room seminar	1	
MONTH:	SEPTEMBE	R						2019-20
12	1 <sup>ST</sup> WEEK	5	Problem solving session	Teaching Classes PSS	3 2			
13	2 <sup>ND</sup> WEEK	4	$P.I  ext{ of } f(D)y = Q  ext{where } Q = xV$	Teaching Classes PSS	2 2			
14	3 <sup>RD</sup> WEEK	6	P.I of f(D)y = Qwhere Q= xmV II-MID Examinations	Teaching Classes PSS	1	Class room seminar	1	
15	4 <sup>TH</sup> WEEK	6	Methods of variation of parameters	Teaching Classes PSS	4 2			
MONTH:	OCTOBER							2019-20
16	1 <sup>ST</sup> WEEK	4	Linear differential equations with non-constant coefficient	Teaching Classes PSS	2 2			390
17	2 <sup>ND</sup> WEEK		DASARA HOLIDAYS					
18	3 <sup>RD</sup> WEEK	5	The Cauchy-Euler equations	Teaching Classes PSS	2 2	Class room seminar	1	
19	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
20	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
MONTH:	NOVEMBE	R						2019-20
21	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
22	2 <sup>ND</sup> WEEK		SEMESTER END AND PRATCICAL EXAMINATIONS-2019		7			
23	3 <sup>RD</sup> WEEK		SEMESTER END AND PRATCICAL EXAMINATIONS-2019					
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**DEPARTMENT: MATHEMATICS** 

Semester: III

PAPER III: ABSTRACT ALGEBRA CLASS: II B.Sc (M.P.C & M.P.Cs )

### NAME OF THE LECTURER: G.T. SWARNALATA

	EEK	ABLE			CURRICULAR ACT	IVITY	CO-CURRICU	LAR ACTIVITY	KS
SERIAL	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	ADDITIONAL INPUT/ VALUES ADDITION	АСПИПУ	HOURS	ACTIVITY	HOURS	REMARKS
MONTH:	JUNE							2019-	-20
1	3 <sup>RD</sup> WEEK	4	Binary operation - Algebraic structure - semi group - monoid -Group definition		Teaching Classes PSS	2 2			!
2	4 <sup>TH</sup> WEEK	6	Problems solved on group definition		Teaching Classes PSS	4 2			
= 3	5 <sup>TH</sup> WEEK	6	Elementary properties finite and infinite groups – examples		Teaching Classes PSS	3 2	Class room seminar	1	
MONTH:	JULY							2019	9-20
4	1 <sup>ST</sup> WEEK	6	Order of a group. Composition tables with examples		Teaching Classes PSS	4 2			
5	2 <sup>ND</sup> WEEK	5	Union and intersection of subgroups .cosets definition properties of cosets		Teaching Classes PSS	3 2			
6	3 <sup>RD</sup> WEEK	6	Index of subgroups of a finite groups – Lagrange's theorem		Teaching Classes PSS	3 2	Classroom seminar	1	
7	4 <sup>TH</sup> WEEK	6	I MID EXAMS  Definition of normal subgroup – proper and improper normal subgroup- Hamilton group – criterion for a subgroup to be a normal subgroup	14 V V	Teaching Classes PSS	1			
8	5 <sup>TH</sup> WEEK	3	Intersection of two normal subgroup – sub group of index 2 is a normal sub group		Teaching Classes PSS	2			

MONTH:	AUGUST						20	19-20
9	1 <sup>ST</sup> WEEK	3	simple group- quotient group -criteria for the existence of a quotient group.	Teaching Classes PSS	2			
10	2 <sup>ND</sup> WEEK	5	Definition of homomorphism – image of homomorphism elementary properties of homomorphism	Teaching Classes PSS	3 2	Classroom seminar	1	
11	3 <sup>RD</sup> WEEK	4	Isomorphism –automorphism definitions and elementary properties –kernel of a homomorphism	Teaching Classes PSS	3			
12	4 <sup>TH</sup> WEEK	5	Fundamental theorem on homomorphism and applications.	Teaching Classes PSS	3 2			
13	5 <sup>TH</sup> WEEK	6	Definition of permutation- permutation multiplication	TeachingClasses PSS	3			
MONTH:	SEPTEMBE	ER					2	019-20
14	1 <sup>ST</sup> WEEK	5	Problems solving session	Teaching Classes PSS	2 2	Classroom seminar	1	
15	2 <sup>ND</sup> WEEK	4	Inverse of a permutation -cyclic permutations-	Teaching Classes PSS	2 2			
16	3 <sup>RD</sup> WEEK	5	II MID Exams Transpositions	Teaching Classes PSS	1			
17	4 <sup>TH</sup> WEEK	6	Even and odd permutations – Cayley's theorem	Teaching Classes PSS	3 2	Classroom seminar	1	
18	5 <sup>TH</sup> WEEK	5	Definition of cyclic group –elementary properties	Teaching Classes PSS	3 2			
MONTH:	OCTOBER							2019-20
19	1 <sup>ST</sup> WEEK	4	Classification of cyclic groups	Teaching Classes PSS	2 2			
20	2 <sup>ND</sup> WEEK		DASARA HOLIDAYS					
21	3 <sup>RD</sup> WEEK	6	RIVISION	Teaching Classes PSS	3 2	Classroom seminar	1	$\perp$
22	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
23	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019		ļ .			
MONTH	: NOVEMBE	R						2019-20
24	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
25	2 <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS-2019 PRATCICAL EXAMINATIONS-2019					
26	3 <sup>RD</sup> WEEK	/	PRATCICAL EXAMINATIONS-2019					

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**DEPARTMENT: MATHEMATICS** 

Semester: II

PAPER II; SOLID GEOMETRY CLASS: I B.Sc. (M.P.Cs)

### NAME OF THE LECTURER: G.T.SWARNA LATA

ER	% X	SBLE		ADDITIONAL	CURRICULAR ACTIVITY	1	CO-CURRICU ACTIVITY		RKS
SERIAL	MONTH	HOURS	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MONTH:	NOVEMBE	R							2019-20
1	3 <sup>ND</sup> WEEK	3	Equation of a plane in terms of its intercept on the axis, Equation of the plane through the given points		Teaching Classes PSS	2			
2	4 <sup>RD</sup> WEEK	6 ,	Length of the perpendicular from a given point to a given plane, Bisectors of angle between two planes		Teaching Classes PSS	3			
3	5 <sup>TH</sup> WEEK	6	Combined equation of two planes ,orthogonal projection on a plane		Teaching Classes PSS	3 2	Class room seminar	1	
MONTH: I	DECEMBE	R							2019-20
4	1 <sup>ST</sup> WEEK	6	Equation of aline, angle between a line and a plane		Teaching Classes PSS	3			
5	2 <sup>ND</sup> WEEK	5	The condition that a given line may lie in a given plane, The condition that two given lines are coplanar		Teaching Classes PSS	2 2	Class room seminar	1	
6	3 <sup>RD</sup> WEEK	6	Number of arbitrary constants in the equation of a straight line, Sets of conditions which determine a line I MID examinations		Teaching Classes PSS	1 1	QUIZ	1	
7	4 <sup>TH</sup> WEEK	3	Christmas Holidays The length and equation of the line of shortest distance between two Straight lines		Teaching Classes PSS	2			221922
MONTH: J	ANUARY								2019-20
8	1 <sup>ST</sup> WEEK	4	Length of the perpendicular from a given point to a given line		Teaching Classes PSS	2 2			
9	2 <sup>ND</sup> WEEK	5	Definition and equation of the sphere, equation of the sphere through Four given points, plane sections of a sphere		Teaching Classes PSS	3 2	*		MID I EXAMS CONDUCTED
10	3 <sup>ND</sup> WEEK		PONGAL HOLIDAYS	ş					

11	4 <sup>ND</sup> WEEK	6	Intersection of two sphere ,equation of a circle, sphere through a given Circle ,intersection of a sphere and lie , power of a point	Teaching Classes PSS	3			
12	5 <sup>RD</sup> WEEK	5	Tangent plane ,plane of contact , polar plane Pole of a plane , conjugate points, conjugate planes, Angle of intersections of two spheres	Teaching Classes PSS	2 2	Class room seminar	1	
MONTH:	FEBRUARY	7						2019-20
13	2 <sup>TH</sup> WEEK	5	Conditions for two spheres to be orthogonal, radical plane, coaxial system of spheres, simplified from of the equations of two spheres.	Teaching Classes PSS	3 2			
14	3 <sup>ND</sup> WEEK	6	Definitions of a cone, vertex, guiding curve, generators, equation of the cone with a given vertex and guiding curve, enveloping cone of a sphere, Equations of cones with vertex at origin are homogenous.	Teaching Classes PSS	2 1			
15	4 <sup>RD</sup> WEEK	5	Condition that the general equation of the second degree should represent a cone,	Teaching Classes PSS	4 2			
16	5 <sup>TH</sup> WEEK	6	II Mid exams condition that a cone may have three mutually perpendicular generators	Teaching Classes PSS	1 1	Class room seminar	1	
MONTH:	MARCH							2019-20
	1 <sup>ST</sup> WEEK	6	Intersections of a line and a quadric cone, tangent lines and tangent plane at a point	Teaching Classes PSS	1			
17	2 <sup>ND</sup> WEEK	5	Condition that a plane may touch a cone, reciprocal cones,	Teaching Classes PSS	3	Class room seminar	1	
18	3 <sup>RD</sup> WEEK	6	intersections of two cones with a common vertex RIVISION	Teaching Classes PSS	4 2			MID II EXAMS CONDUCTED
19	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019		_		_	
20	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					2019-20
MONTH:							1	2019-20
21	1 <sup>ST</sup> WEEK	,	SEMESTER END EXAMINATIONS-2019				ļ	
22	2 <sup>Nb</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
23	3 <sup>RD</sup> WEEK		PRATCICAL EXAMINATIONS-2019					

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Phil., B.Ed., of the Market Street Department

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**DEPARTMENT: MATHEMATICS** 

Semester: IV

PAPER IV: REAL ANALYSIS CLASS: II B.Sc. (M.P.Cs)

### NAME OF THE LECTURER: G.T.SWARNA LATA

, <b>~</b>	VEEK	LABLE		ADDITIONAL	CURRICULAR ACTIVITY		CO-CURRICULAR ACTIVITY		RKS
SERIAL	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	ACTIVITY	HOURS ALLOTED	ACTIVITY	HOURS	REMARKS
MONTH:	NOVEMBE	ER							2019-20
1	3 <sup>ND</sup> WEEK	3	The algebraic and order properties of R, absolute value and real line, completeness property of R, Applications of supreme property; intervals. No Question is to be set from this portion		TeachingClassesPSS	2			
2	4 <sup>RD</sup> WEEK	6	Sequence and their limits, range and boundedness of sequences, Limit of a sequence. the Cauchy's criterion, properly divergent sequences		Teaching ClassesPSS	3 2	Classroom seminar	1	
3	5 <sup>TH</sup> WEEK	6	Monotone sequence, necessary and sufficient condition for convergence of monotone sequence, limit point f sequence, subsequences and the Bolzano- weierstrass theorem - Cauchy sequences - cauchey's general principle of convergence theorem.		Teaching ClassesPSS	4. 2			
MONTH:	DECEMBE	R	41000000					· · · · · · · · · · · · · · · · · · ·	2019-20
4	1 <sup>ST</sup> WEEK	6	Introduction to series, convergence of series. Cauchy's general principle of convergence of series tests for convergence of series, series of non-negative terms.		Teaching Classes PSS	3 3			
5	2 <sup>ST</sup> WEEK	5	1P-test 2.cauchy's root test or root test .3. D' Alembert's test or ratio test .		Teaching Classes PSS	3 2	Classroom seminar	1	
6	3 <sup>ND</sup> WEEK	6	I MID EXAMINATIONS 4. Alternating series.		Teaching Classes PSS	2	QUIZ		
7	4 <sup>RD</sup> WEEK	3	Leibnitz test. Absolute convergence and conditional convergence CHRISTMAS HOLIDAYS		Teaching Classes PSS	2			
8	5 <sup>TH</sup> WEEK	2	Llimit concept Real valued functions. Roundedness of a function		Teaching Classes PSS	1			
	JANUARY				- I - I	- 1			2019-20
9	1 <sup>ST</sup>	4	Limits of functions	*	Teaching Classes	2			

[	WEEK		Limits of functions. Some extensions of the limit concept	PSS	2			
10	2 <sup>ND</sup> WEEK	5	Infinite limit at infinity. No. question is to be set from this portion continuous functions:	Teaching Classes PSS	3 2			MID I EXAMS CONDUCTED
11	3 <sup>RD</sup> WEEK		PONGAL HOLIDAYS					
12	4 <sup>TH</sup> WEEK	6	Continuous functions on intervals Uniform continuity	Teaching ClassesPSS	3 2	Classroom seminar	1	
13	5 <sup>TH</sup> WEEK	5	The derivability of a function, on an interval at a point , derivability and continuity of function, graphical meaning of the derivative	Teaching ClassesPSS	3 2	<u>.</u>		
MONTH:	FEBRAUA	RY						2019-20
15	2 <sup>RD</sup> WEEK	5	Mean value theorems	Teaching Classes PSS	3 2			
16	3 <sup>TH</sup> WEEK	6	Role's theorem, Lagrange's theorem	Teaching ClassesPSS	3 2	Classroom seminar	1	
17	4 <sup>TH</sup> WEEK	5	Cauchy 's Cauchy's mean value theorem ,.	Teaching Classes PSS	3 2			
18	5 <sup>TH</sup> WEEK	6	II MID EXAMS Riemann integral functions	Teaching Classes PSS	2			
MONTH:								2019-20
19	1 <sup>ND</sup> WEEK	6	darboux theorem	Teaching Classes PSS	3 2	Classroom seminar	1	
20	2 <sup>ND</sup> WEEK	5	necessary and sufficient condition for R –inerrability ,Properties of integrals function s	Teaching Classes PSS	3 2			
21	3 <sup>ND</sup> WEEK	6	Integral as the limit of a sum, mean value theorems	Teaching Classes PSS	3			
22	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					MID II EXAMS CONDUCTED
23	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
MONTH:	APRIL							2019-20
23	1 <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
24	2 <sup>ND</sup> WEEK		SEMESTER END AND PRATCICAL EXAMINATIONS-2019					
25	3 <sup>ND</sup> WEEK		PRATCICAL EXAMINATIONS-2019		_			
26	4 <sup>TR</sup> WEEK		PRATCICAL EXAMINATIONS-2019			<u> </u>		

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar

M.Sc., M.Phil., B.Ed.,

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**DEPARTMENT: MATHEMATICS** 

Semester: III

NAME OF THE LECTURER: CH.TANUJA

PAPER III: ABSTRACT ALGEBRA CLASS: II B.Sc (M.P.C & M.P.Cs )

	EEK	ABLE			CURRICULAR ACT	TVITY	CO-CURRICU	LAR ACTIVITY	S
SERIAL	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	ADDITIONAL INPUT/ VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MONTH:	JUNE							201	19-20
ı	3 <sup>RD</sup> WEEK	4	Binary operation – Algebraic structure – semi group – monoid - Group definition		Teaching Classes PSS	2 2			
2	4 <sup>TH</sup> WEEK	6	Problems solved on group definition		Teaching Classes PSS	4 2			
3	5 <sup>TH</sup> WEEK	6	Elementary properties finite and infinite groups – examples		Teaching Classes PSS	3 2	Class room seminar	1	
MONTH:	JULY							20	19-20
4	1 <sup>ST</sup> WEEK	6	Order of a group. Composition tables with examples		Teaching Classes PSS	4 2			
5	2 <sup>ND</sup> WEEK	5	Union and intersection of subgroups .cosets definition properties of cosets		Teaching Classes PSS	3 2			
6	3 <sup>RD</sup> WEEK	6	Index of subgroups of a finite groups – Lagrange's theorem		Teaching Classes PSS	3 2	Classroom seminar	1	
7	4 <sup>TH</sup> WEEK	6	I MID EXAMS  Definition of normal subgroup – proper and improper normal subgroup- Hamilton group – criterion for a subgroup to be a normal subgroup		Teaching Classes PSS	2			
8	5 <sup>TH</sup> WEEK	3	Intersection of two normal subgroup – sub group of index 2 is a normal sub group		Teaching Classes PSS	2			
MONTH:	AUGUST		->-	27		1.12		20	19-20
9	1 <sup>ST</sup>	3	simple group- quotient group -criteria for the existence of a		Teaching Classes	2			

				PSS	1	<u> </u>		
	WEEK		quotient group.		1			
10	2 <sup>ND</sup> WEEK	5	Definition of homomorphism – image of homomorphism elementary properties of homomorphism	Teaching Classes PSS	3 2	Classroom seminar		_
* 11	3 <sup>RD</sup> WEEK	4	Isomorphism –automorphism definitions and elementary properties –kernel of a homomorphism	Teaching Classes PSS	3			
12	4 <sup>TH</sup> WEEK	5	Fundamental theorem on homomorphism and applications.	Teaching Classes PSS	3 2			
13	5 <sup>TH</sup> WEEK	6	Definition of permutation- permutation multiplication	TeachingClasses PSS	3 3			
MONTH:	SEPTEMBE	R		<del></del> -				2019-20
14	1 <sup>ST</sup> WEEK	5	Problems solving session	Teaching Classes PSS	2 2	Classroom seminar	1	
15	2 <sup>ND</sup> WEEK	4	Inverse of a permutation – cyclic permutations-	Teaching Classes PSS	2 _			
16	3 <sup>RD</sup> WEEK	5	II MID Exams Transpositions	Teaching Classes PSS	1 1			-
17	4 <sup>TH</sup> WEEK	6	Even and odd permutations – Cayley's theorem	Teaching Classes PSS	3 2	Classroom seminar	1	
18	5 <sup>TH</sup> WEEK	5	Definition of cyclic group –elementary properties	Teaching Classes PSS	3 2			10.7
MONTH:	OCTOBER							2019-20
19	1 <sup>ST</sup> WEEK	4	Classification of cyclic groups	Teaching Classes PSS	2 2			
20	2 <sup>ND</sup> WEEK		DASARA HOLIDAYS					
21	3 <sup>RD</sup> WEEK	6	RIVISION	Teaching Classes PSS	3 2	Classroom seminar	1	
22	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					- 52
23	5 <sup>TH</sup> WEEK	450	SEMESTER END EXAMINATIONS-2019					
MONTH	NOVEMBE	R						2019-20
24	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2019				<del></del>	
25	2 <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS-2019 PRATCICAL EXAMINATIONS-2019					
26	3 <sup>RD</sup> WEEK		PRATCICAL EXAMINATIONS-2019					

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### TABLE -A-CURCULUM - LECTURER WISE

**DEPARTMENT: MATHEMATICS** 

Semester: V

NAME OF THE LECTURER: CH.TANUJA

PAPER VI: LINEAER ALGEBRA CLASS: III B.Sc ( M.P.C &M.P.Cs)

	EEK	ABLE			CURRICULAR ACT	IVITY	CO-CURRICU	LAR ACTIVITY	KS
SERIAL	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	ADDITIONAL INPUT/ VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MONTH:	JUNE							20	19-20
ı	3 <sup>RD</sup> WEEK	3	Vector Spaces, General properties of vector spaces, n-dimensional Vectors, addition and scalar multiplication of Vectors, internal and external composition, Null space.		Teaching Classes PSS	2		<u> </u>	
2	4 <sup>TH</sup> WEEK	5	Vector subspaces, Algebra of subspaces, Linear Sum of two subspaces, linear combination of Vectors.		Teaching Classes PSS	3 2			!
3	5 <sup>TH</sup> WEEK	5	Linear span Linear independence and Linear dependence of Vectors.		Teaching Classes PSS	2 2	Class room seminar	1	
MONTH:	JULY							20	19-20
4	1 <sup>ST</sup> WEEK	5	Basis of Vector space, Finite dimensional Vector spaces		Teaching Classes PSS	3 2			
5	2 <sup>ND</sup> WEEK	4	Basis extension, co-ordinates, Dimension of a Vector space, Dimension of a subspace.		Teaching Classes PSS	2 2			
6	3 <sup>RD</sup> WEEK	5	Quotient space and Dimension of Quotient space.		Teaching Classes PSS	2 2	Classroom seminar	1	
7	4 <sup>TH</sup> WEEK	5	I MID EXAMS Algebra of Linear Operators		Teaching Classes PSS	1			
8	5 <sup>TH</sup> WEEK	2	Range and null space of linear transformation		Teaching Classes PSS	1			
MONTH:			3					201	9-20
9	1 <sup>ST</sup> WEEK	2	Rank and Nullity of linear transformations – Rank – Nullity Theorem.		Teaching Classes PSS	1	1 196		

10	2 <sup>ND</sup> WEEK	4	Matrices, Elementary Properties of Matrices, Inverse Matrices, Rank of Matrix.	Teaching Classes PSS	1 2	Classroom seminar	1	
11	3 <sup>RD</sup> WEEK	3	Linear Equations, Characteristic Roots, Characteristic	Teaching Classes PSS	2			
12	4 <sup>TH</sup> WEEK	4	Values & Vectors of square Matrix.  Cayley - Hamilton Theorem and Problems.	Teaching Classes PSS	2 2			
13	5 <sup>TH</sup> WEEK	5	Matrices, Elementary Properties of Matrices, Inverse Matrices, Rank of Matrix	TeachingClasses PSS	2 3			
MONTH	SEPTEMBE	D G	Widthes, Raik of Matrix			<u> </u>		2019-20
14	1 <sup>ST</sup> WEEK	4	Inner product spaces	Teaching Classes PSS	2	Classroom seminar	1	
15	2 <sup>ND</sup> WEEK	4	Euclidean and unitary spaces, Norm or length of a Vector.	Teaching Classes PSS	2 2			
16	3 <sup>RD</sup> WEEK	4	MID II EXAMS Schwartz inequality, Triangle in Inequality, Parallelogram law.	Teaching Classes PSS	1			
17	4 <sup>TH</sup> WEEK	5	Orthogonality, Orthonormal set.complete orthonormal set,	Teaching Classes PSS	2 2	Classroom seminar	1	
18	5 <sup>TR</sup> WEEK	4	Gram – Schmidt orthogonalisation process	Teaching Classes PSS	2 2			
MONTH:	OCTOBER							2019-20
19	1 <sup>ST</sup> WEEK	3	Bessel's inequality and Parseval's Identity	Teaching Classes PSS	2 1			
20	2 <sup>ND</sup> WEEK		DASARA HOLIDAYS					
21	3 <sup>RD</sup> WEEK	5	RIVISION	Teaching Classes PSS	3 2			
22	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
23	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
MONTH:	NOVEMBE	R						2019-20
24	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
25	2 <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS-2019 PRATCICAL EXAMINATIONS-2019					
26	3 <sup>RD</sup> WEEK		PRATCICAL EXAMINATIONS-2019					

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**DEPARTMENT: MATHEMATICS** 

Semester: II

PAPER II; SOLID GEOMETRY CLASS: I B.Sc., (M.P.Cs)

### NAME OF THE LECTURER: CH.TANUJA

ER	WEEK	EVI LABUC TORIC	ADDITIONAL	CURRICULAR ACTIVITY		CO-CURRICULAR ACTIVITY		RKS	
SERIAL	MONTH & WEEK	HOUR	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	ACTIVITY	HOURS ALLOTED	ACTIVITY	HOURS	REMARKS
MONTH:	NOVEMBE	R		·					2019-20
1	3 <sup>ND</sup> WEEK	3	Equation of a plane in terms of its intercept on the axis, Equation of the plane through the given points		Teaching Classes PSS	2 1			
2	4 <sup>RD</sup> WEEK	6	Length of the perpendicular from a given point to a given plane, Bisectors of angle between two planes		Teaching Classes PSS	3			
3	5 <sup>TH</sup> WEEK	6	Combined equation of two planes ,orthogonal projection on a plane		Teaching Classes PSS	3 2	Class room seminar	1	
MONTH:	DECEMBE	R							2019-20
4	1 <sup>ST</sup> WEEK	6	Equation of aline, angle between a line and a plane		Teaching Classes PSS	3			
5	2 <sup>ND</sup> WEEK	5	The condition that a given line may lie in a given plane, The condition that two given lines are coplanar	200,000	Teaching Classes PSS	2 2	Class room seminar	1	
6	3 <sup>RD</sup> WEEK	6	Number of arbitrary constants in the equation of a straight line, Sets of conditions which determine a lines I MID examinations		Teaching Classes PSS	1	QUIZ	1	
7	4 <sup>TH</sup> WEEK	3	Christmas Holidays The length and equation of the line of shortest distance between two Straight lines		Teaching Classes PSS	1			
MONTH:	JANUARY								2019-20
8	1 <sup>ST</sup> WEEK	4	Length of the perpendicular from a given point to a given line		Teaching Classes PSS	2 2			
9	2 <sup>ND</sup> WEEK	5	Definition and equation of the sphere , equation of the sphere through Four given points , plane sections of a sphere	,	TeachingClassesPSS	3 2			MID I EXAMS CONDUCTED

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10	3 <sup>ND</sup> WEEK		PONGAL HOLIDAYS					
11	4 <sup>ND</sup> WEEK	6	Intersection of two sphere ,equation of a circle, sphere through a given Circle ,intersection of a sphere and lie , power of a point	Teaching Classes PSS	3			
12	5 <sup>RD</sup> WEEK	5	Tangent plane ,plane of contact , polar plane Pole of a plane , conjugate points, conjugate planes, Angle of intersections of two spheres	Teaching Classes PSS	2 2	Class room seminar	1	
MONTH:	FEBRUAR	Y						2019-20
13	2 <sup>TH</sup> WEEK	5	Conditions for two spheres to be orthogonal, radical plane, coaxial system of spheres, simplified from of the equations of two spheres.	Teaching Classes PSS	3 2			
14	3 <sup>ND</sup> WEEK	6	Definitions of a cone, vertex, guiding curve, generators, equation of the cone with a given vertex and guiding curve, enveloping cone of a sphere, Equations of cones with vertex at origin are homogenous.	Teaching Classes PSS	3			
15	4 <sup>RD</sup> WEEK	5	Condition that the general equation of the second degree should represent a cone,	Teaching Classes PSS	3 2			
16	5 <sup>TH</sup> WEEK	6	II Mid exams condition that a cone may have three mutually perpendicular generators	Teaching Classes PSS	1 1	Class room seminar	1	
MONTH:	MARCH	<u> </u>						2019-20
	1 <sup>ST</sup> WEEK	6	Intersections of a line and a quadric cone, tangent lines and tangent plane at a point	Teaching Classes PSS	1 1			
17	2 <sup>ND</sup> WEEK	5	Condition that a plane may touch a cone, reciprocal cones,	Teaching Classes PSS	3	Class room seminar	1	
18	3 <sup>RD</sup> WEEK	6	intersections of two cones with a common vertex RIVISION	Teaching Classes PSS	4 2			MID II EXAMS CONDUCTED
19	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
20	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019			<u> </u>		2019-20
MONTH:					_		т—	2019-20
21	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2019				_	
22	2 <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
23	3 <sup>RD</sup> WEEK		PRATCICAL EXAMINATIONS-2019					

SIGNATURE OF THE DEPARTMENT I/C
Head of the Mathematics Department V.S.M. College

SIGNATURE OF THE PRINCIPAL EST ISS

**DEPARTMENT: MATHEMATICS** 

Semester: IV

CLASS: III B.Sc. (M.P.Cs)

PAPER VII: NUMERICAL ANALYSIS

NAME OF THE LECTURER: CH.TANUJA

~	EEK	ABLE		ADDITIONAL	CURRICULAR ACTIVITY		CO-CURRICUL ACTIVITY	.AR	S.S.
SERIAL	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MONTH:	NOVEMBE	R							2019-20
1	3 <sup>ND</sup> WEEK	2	Errors and their Accuracy, Mathematical preliminaries,		Teaching Classes PSS	1 1			
2	4 <sup>RD</sup> WEEK	5	Mathematical Preliminaries, Errors and their Analysis, Absolute, Relative and Percentage Errors		Teaching Classes PSS	2 2	Classroom seminar	1	
3	5 <sup>TH</sup> WEEK	5	A general error formula, Error in a series approximation.		Teaching Classes PSS	3. 2			
MONTH:	DECEMBE	R							2019-20
4	1 <sup>ST</sup> WEEK	5	The bisection method, Theiteration method The method of false position		Teaching Classes PSS	3 2			
5	2 <sup>ST</sup> WEEK	4	Newton Raphson method, Generalized Newton Raphson method.		Teaching Classes PSS	2	Classroom seminar	1	
6	3 <sup>ND</sup> WEEK	5	I MID EXAMINATIONS Muller's method		Teaching Classes PSS	2 2	QUIZ	1	
7	4 <sup>RD</sup> WEEK	2	CHRISTMAS HOLIDAYS Central Differences		Teaching Classes PSS	1 1			
MONTH: J	JANUARY	3							2019-20
9	1 <sup>ST</sup> WEEK	3	Symbolic relations ,Detection of errors by use of differences Tables, Differences of a polynomial	10	Teaching Classes PSS	2 1			
10	2 <sup>ND</sup> WEEK	4	Newton's formulae for interpolation		Teaching Classes PSS	2 2			MID 1 EXAMS CONDUCTED

11	3 <sup>RD</sup> WEEK		PONGAL HOLIDAYS			13		
10	4 <sup>TH</sup>	5	Central Difference Interpolation Formulae, Gauss's	Teaching Classes PSS	2	Classroom	1	
12	WEEK	3	central difference formulae		2	seminar	-	
13	5 <sup>TH</sup>	4	Stirling's central difference formula, Bessel's formula,	Teaching Classes PSS	2 2			
13	WEEK	**	Everett's Formula	155				
MONTH:	FEBRAUAI	RY			1 - 1			2019-20
1.5	2 <sup>RD</sup>	4	Interpolation With unevenly spaced points, Lagrange's	Teaching Classes PSS	2			
15	WEEK	4	formula		2		1	
16	3 <sup>TH</sup>	5	Error in Lagrange's formula Divided differences and their	Teaching Classes PSS	2	Classroom seminar	1	i
16	WEEK	)	properties		2	seminar		
17	4 <sup>TH</sup>	4	Relation between divided differences and forward	Teaching Classes PSS	2			* :
17	WEEK	4	differences,		2		<del>                                     </del>	
	5 <sup>TH</sup>		II MID EXAMS	Teaching Classes PSS				
18	WEEK	5	Relation between divided differences and backward	135	1			
	WEEK		differences					
MONTH:	MARCH				1 -			2019-20
10	1 <sup>ND</sup>	5	Relation between Divided differences and central	Teaching Classes PSS	2 2	Classroom seminar	] 1	
19	WEEK	٦	differences			seminar	-	
20	2 <sup>ND</sup>	4	Newton's general interpolation Formula	Teaching Classes PSS	2 2			
20	WEEK	,		Teaching Classes	3		+-	MID II
21	3 <sup>ND</sup>	5	Inverse interpolation	PSS	2			EXAMS
21	WEEK		REVISION				-	CONDUCTED
22	4 <sup>TH</sup>		SEMESTER END EXAMINATIONS-2019					
22	WEEK	<u> </u>	DEMIESTER BIVE ENGINEERING				+	
23	5 <sup>TH</sup>		SEMESTER END EXAMINATIONS-2019	İ				
	WEEK							2019-20
MONTH:							T	
23	1 <sup>ND</sup> WEEK	,	SEMESTER END EXAMINATIONS-2019				_	
	2 <sup>ND</sup>		SEMESTER END AND PRATCICAL					
24	WEEK		EXAMINATIONS-2019				ļ	
25	3 <sup>ND</sup>		PRATCICAL EXAMINATIONS-2019					
	WEEK 4 <sup>TH</sup>	ļ			-		+	
26	WEEK		PRATCICAL EXAMINATIONS-2019					
-	,	-	<u> </u>					

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**DEPARTMENT: MATHEMATICS** 

Semester: V

#### PAPER V: RING THEORY AND VECTOR CALCULUS CLASS: III B.Sc (M.P.Cs)

### NAME OF THE LECTURER: K.V.D.S.PRASANNA

	EEK	ABLE			CURRICULAR ACT	IVITY	CO-CURRICUI	AR ACTIVITY	KS
SERIAL	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	ADDITIONAL INPUT/ VALUES ADDITION	АСПИПУ	HOURS	АСПИПУ	HOURS	REMARKS
MONTH:	JUNE							20	19-20
ì	3 <sup>RD</sup> WEEK	3	Definition of Ring and basic properties, Boolean Rings,	P2	Teaching Classes PSS	2 1			
2	4 <sup>TH</sup> WEEK	5	divisors of zero and cancellation laws, Rings Integral Domains,		Teaching Classes PSS	3 2			
3	5 <sup>TH</sup> WEEK	5	Division Ring and Fields, The characteristic of a ring. The characteristic of an Integral Domain.		Teaching Classes PSS	2 2	Class room seminar	1	
MONTH:	JULY							20	19-20
4	1 <sup>ST</sup> WEEK	5	The characteristic of a Field, Sub Rings, Ideals		Teaching Classes PSS	3 2			
5	2 <sup>ND</sup> WEEK	4	Definition of Homomorphism – Homomorphic Image – Elementary Properties of Homomorphism –		Teaching Classes PSS	2 2			
6	3 <sup>RD</sup> WEEK	5	Kernel of a Homomorphism – Fundamental theorem of Homomorphism		Teaching Classes PSS	2 2	Classroom seminar	1	
7	4 <sup>TH</sup> WEEK	5	I MID EXAMS Maximal Ideals		Teaching Classes PSS	1			
8	5 <sup>TH</sup> WEEK	2	Prime ideals		Teaching Classes PSS	1 1		201	19-20
MONTH:				1	T. Line Change	1		20.	19-20
9	1 <sup>ST</sup> WEEK	2	Vector Differentiation, Ordinary derivatives of vectors,	Streeted	PSS PSS	1			2-77 10 3

10	2 <sup>ND</sup> WEEK	4	Differentiability		Teaching Classes PSS	1 2	Classroom seminar	1	T
11	3 <sup>RD</sup> WEEK	3	Gradient, Divergence		Teaching Classes PSS	2	Schillar		
12	4 <sup>TH</sup> WEEK	4	Curl operators		Teaching Classes PSS	2 2	-		
13	5 <sup>TH</sup> WEEK	5	Formulae Involving these operatorsLine Integral		TeachingClasses PSS	2 3			
MONTH:	SEPTEMBE	ER						2	019-20
14	1 <sup>ST</sup> WEEK	4	Surface Integral		Teaching Classes PSS	2	Classroom seminar	1	
15	2 <sup>ND</sup> WEEK	4	Volume integral with examples		Teaching Classes PSS	2 2			
16	3 <sup>RD</sup> WEEK	4	MID II EXAMS Gauss theorem		Teaching Classes PSS	1			
17	4 <sup>TH</sup> WEEK	5	Gauss theorem in plane and applications of these theorems	Add-on page	Teaching Classes PSS	2 2	Classroom seminar	1	
18	5 <sup>TR</sup> WEEK	4	Stokes theorem in plane and applications of these theorems		Teaching Classes PSS	2 2			
MONTH:	OCTOBER								2019-20
19	1 <sup>ST</sup> WEEK	3	Green's theorem in plane and applications of these theorems		Teaching Classes PSS	2		F 40000000 w	
20	2 <sup>ND</sup> WEEK		DASARA HOLIDAYS						
21	3 <sup>RD</sup> WEEK	5	RIVISION		Teaching Classes PSS	3 2			
22	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019	=					
23	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019						
MONTH:	NOVEMBE	R							2019-20
24	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2019						
25	2 <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS-2019 PRATCICAL EXAMINATIONS-2019						
26	3 <sup>RD</sup> WEEK		PRATCICAL EXAMINATIONS-2019	R 10 31 3 48 (11 9					

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N.S.V. Kiran Kumar M.Sc., M.Phil., R.Ed., Head of the Mathematics Department V.S.M. College SIGNATURE OF THE PRINCIPAL

PRINCIPAL, V.S.M. GGLLEGE AL MAMACHANDRAPURANI-331425, [L.G.DL]

**DEPARTMENT: MATHEMATICS** 

Semester: V

PAPER VI: LINEAER ALGEBRA CLASS: III B.Sc ( M.P.C &M.P.Cs)

### NAME OF THE LECTURER: K.V.D.S.PRASANNA

	EK	ABLE			CURRICULAR ACT	IVITY	CO-CURRICUI	LAR ACTIVITY	KS
SERIAL	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	ADDITIONAL INPUT/ VALUES ADDITION	ACTIVITY	HOURS	АСПИПУ	HOURS	REMARKS
MONTH:	JUNE							20	19-20
l	3 <sup>RD</sup> WEEK	3	Vector Spaces, General properties of vector spaces, n- dimensional Vectors, addition and scalar multiplication of Vectors, internal and external composition, Null space.		Teaching Classes PSS	2 1			
2	4 <sup>TH</sup> WEEK	5	Vector subspaces, Algebra of subspaces, Linear Sum of two subspaces, linear combination of Vectors.		Teaching Classes PSS	3 2			
3	5 <sup>TH</sup> WEEK	5	Linear span Linear independence and Linear dependence of Vectors.		Teaching Classes PSS	2 2	Class room seminar	1	
MONTH:	JULY	-						20	19-20
4	1 <sup>ST</sup> WEEK	5	Basis of Vector space, Finite dimensional Vector spaces		Teaching Classes PSS	3 2			
5	2 <sup>ND</sup> WEEK	4	Basis extension, co-ordinates, Dimension of a Vector space, Dimension of a subspace.		Teaching Classes PSS	2 2			
6	3 <sup>RD</sup> WEEK	5	Quotient space and Dimension of Quotient space.		Teaching Classes PSS	2 2	Classroom seminar	1	
7	4 <sup>TH</sup> WEEK	5	I MID EXAMS Algebra of Linear Operators		Teaching Classes PSS	1			
8	5 <sup>TH</sup> WEEK	2	Range and null space of linear transformation		Teaching Classes PSS	1			
MONTH:	AUGUST							201	19-20
9	1 <sup>ST</sup> WEEK	2	Rank and Nullity of linear transformations – Rank – Nullity Theorem.		Teaching Classes PSS	1			

10	2 <sup>ND</sup> WEEK	4	Matrices, Elementary Properties of Matrices, Inverse Matrices, Rank of Matrix.	Teaching Classes PSS	1 2	Classroom seminar	1	
11	3 <sup>RD</sup> WEEK	3	Linear Equations, Characteristic Roots, Characteristic Values & Vectors of square Matrix.	Teaching Classes PSS	2 1			
12	4 <sup>TH</sup> WEEK	4	Cayley - Hamilton Theorem and Problems.	Teaching Classes PSS	2 2			
13	5 <sup>TH</sup> WEEK	5	Matrices, Elementary Properties of Matrices, Inverse Matrices, Rank of Matrix	TeachingClasses PSS	2 3			
MONTH:	SEPTEMBI	ER						2019-20
14	1 <sup>ST</sup> WEEK	4	Inner product spaces	Teaching Classes PSS	2 1	Classroom seminar	1	
15	2 <sup>ND</sup> WEEK	4	Euclidean and unitary spaces, Norm or length of a Vector.	Teaching Classes PSS	2 2			
16	3 <sup>RD</sup> WEEK	4	MID II EXAMS Schwartz inequality, Triangle in Inequality, Parallelogram law.	Teaching Classes PSS	1			}
17	4 <sup>TH</sup> WEEK	5	Orthogonality, Orthonormal set.complete orthonormal set,	Teaching Classes PSS	2 2	Classroom seminar	1	
18	5 <sup>TH</sup> WEEK	4	Gram – Schmidt orthogonalisation process	Teaching Classes PSS	2 2			
MONTH:	OCTOBER			——————————————————————————————————————				2019-20
19	1 <sup>ST</sup> WEEK	3	Bessel's inequality and Parseval's Identity	Teaching Classes PSS	2 1			
20	2 <sup>ND</sup> WEEK		DASARA HOLIDAYS				<u>.</u>	
21	3 <sup>RD</sup> WEEK	5	RIVISION	Teaching Classes PSS	3 2			
22	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
23	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
MONTH:	NOVEMBE	R						2019-20
24	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2019	ĒĒ.		3.0		
25	2 <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS-2019 PRATCICAL EXAMINATIONS-2019					
26	3 <sup>RB</sup> WEEK		PRATCICAL EXAMINATIONS-2019					

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M.Sc., M.Phil., B.Fd.
Head of the Mathematics Department,
V.S.M. College

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**DEPARTMENT: MATHEMATICS** 

Semester: IV

PAPER VII : NUMERICAL ANALYSIS CLASS: III B.S., (M.P.Cs&M.P.C)

### NAME OF THE LECTURER: K.V.D.S.PRASANNA

an	EEK	ABLE		ADDITIONAL	CURRICULAR ACTIVITY		CO-CURRICUI ACTIVITY		KS S
SERIAL NUMBER	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	ACTIVITY	HOURS	АСПИПУ	HOURS	REMARKS
MONTH:	NOVEMBE	R							2019-20
1	3 <sup>ND</sup> WEEK	2	Errors and their Accuracy, Mathematical preliminaries,		Teaching Classes PSS	1 1			
2	4 <sup>RD</sup> WEEK	5	Mathematical Preliminaries, Errors and their Analysis, Absolute, Relative and Percentage Errors		Teaching Classes PSS	2 2	Classroom seminar	1	
3	5 <sup>TH</sup> WEEK	5	A general error formula, Error in a series approximation.		Teaching Classes PSS	3.			
MONTH:	DECEMBE	R				.,			2019-20
4	1 <sup>ST</sup> WEEK	5	The bisection method, Theiteration method The method of false position		Teaching Classes PSS	3 2			
5	2 <sup>ST</sup> WEEK	4	Newton Raphson method ,Generalized Newton Raphson method.	5,00 0	Teaching Classes PSS	2	Classroom seminar	1	
6	3 <sup>ND</sup> WEEK	5	I MID EXAMINATIONS Muller's method		Teaching Classes PSS	2 2	QUIZ	1	
7	4 <sup>RD</sup> WEEK	2	CHRISTMAS HOLIDAYS Central Differences		Teaching Classes PSS	1 1			
MONTH:	JANUARY	3							2019-20
9	1 <sup>ST</sup> WEEK	3	Symbolic relations, Detection of errors by use of differences Tables, Differences of a polynomial		Teaching Classes PSS	2			
10	2 <sup>ND</sup> WEEK	4	Newton's formulae for interpolation	.4	Teaching Classes PSS	2 2			MID 1 EXAMS

			( k)		63	13		CONDUCTED
11	3 <sup>rjo</sup> WEEK		PONGAL HOLIDAYS			8		
12	4 <sup>1H</sup> WEEK	5	Central Difference Interpolation Formulae, Gauss's central difference formulae	Teaching Classes PSS	2 2	Classroom seminar	1	
13	5 <sup>TH</sup> WEEK	4	Stirling's central difference formula, Bessel's formula, Everett's Formula	Teaching Classes PSS	2 2			
MONTH:	FEBRAUAI	RY						2019-20
15	2 <sup>RD</sup> WEEK	4	Interpolation With unevenly spaced points, Lagrange's formula	Teaching Classes PSS	2 2			
16	3 <sup>TH</sup> WEEK	5	Error in Lagrange's formula Divided differences and their properties	Teaching Classes PSS	2 2	Classroom seminar	1	
17	4 <sup>TH</sup> WEEK	4	Relation between divided differences and forward differences,	Teaching Classes PSS	2 2			
18	5 <sup>TH</sup> WEEK	5	II MID EXAMS Relation between divided differences and backward differences	Teaching Classes PSS	1 1			
MONTH:	MARCH					(		2019-20
19	1 <sup>ND</sup> WEEK	5	Relation between Divided differences and central differences	Teaching Classes PSS	2 2	Classroom seminar	1	
20	2 <sup>ND</sup> WEEK	4	Newton's general interpolation Formula	Teaching Classes PSS	2 2	14 - 1 - 1		
21	3 <sup>ND</sup> WEEK	5	Inverse interpolation REVISION	Teaching Classes PSS	3 2			MID II EXAMS CONDUCTED
22	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
23	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
MONTH:								2019-20
23	I <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS-2019					
24	2 <sup>ND</sup> WEEK		SEMESTER END AND PRATCICAL EXAMINATIONS-2019					
25	3 <sup>ND</sup> WEEK		PRATCICAL EXAMINATIONS-2019					
26	4 <sup>TH</sup> WEEK		PRATCICAL EXAMINATIONS-2019					

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Head of the Mathematics Department V.S.M. College RAMACHANDRAPURAM-533 255

SIGNATURE OF THE PRINCIPAL

PRINCIPAL, V.S.M. COLLEGE (A)
RAMACHANDRAPURAM-533 255, (E.G.DL.)

DEPARTMENT: MATHEMATICS Semester: V

PAPER VI: LINEAER ALGEBRA CLASS: III B.Sc., (M.P.Cs)

#### NAME OF THE LECTURER: N.S.V.KIRAN KUMAR

IAL	& WEEK	AILABLE	8	ADDITIONAL	CURRICULAR ACTIVITY	1	CO-CURRICUI ACTIVITY		RKS
SERIAL	MONTII & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MONTH: J	UNE			<u></u>	1		2018-19		
1	2 <sup>ND</sup> WEEK	4	Vector Spaces, General properties of vector spaces, n- dimensional Vectors, addition and scalar multiplication of Vectors, internal and external composition, Null space.		Teaching Classes PSS	2 2			
2	3 <sup>RD</sup> WEEK	4	Vector subspaces, Algebra of subspaces, Linear Sum of two subspaces, linear combination of Vectors.		Teaching Classes PSS	3 1			
3	4 <sup>TH</sup> WEEK	5	Linear span Linear independence and Linear dependence of Vectors.		Teaching Classes PSS	3 2			
4	5 <sup>TH</sup> WEEK	5	Basis of Vector space, Finite dimensional Vector spaces.	· · · · · ·	Teaching Classes PSS	2 2	Class room seminar	1	
MONTH: J							2018-19	, , , ,	
5	l <sup>ST</sup> WEEK	5	Basis extension, co-ordinates, Dimension of a Vector space, Dimension of a subspace.		Teaching Classes PSS	3 2			
6	2 <sup>ND</sup> WEEK	4	Quotient space and Dimension of Quotient space.		Teaching Classes PSS	2 2			
7	3 <sup>RD</sup> WEEK	5	Linear transformations, linear operators, Properties of L.T, sum and product of LTs.		Teaching Classes PSS	3 2			
8	4 <sup>TH</sup> WEEK	2	Algebra of Linear Operators, Range and null space of linear transformation. I MID Exam		Teaching Classes	1	Class room seminar	1	
MONTH: A	UGUST			<u> </u>			2018-19		
9	el <sup>ST</sup> WEEK	3	Rank and Nullity of linear transformations – Rank – Nullity Theorem.		Teaching Classes PSS	2	· · · · · ·		
10	2 <sup>ND</sup>	4	Matrices, Elementary Properties of Matrices, Inverse Matrices,		Teaching Classes	2			

	WEEK	Т	Rank of Matrix.			_		
	3RD			PSS	2		$\top$	T
11	WEEK	4	Linear Equations, Characteristic Roots, Characteristic Values & Vectors of square Matrix.	Teaching Classes PSS	3			十
12	WEEK	4	Cayley - Hamilton Theorem and Problems.	Teaching Classes	2		+	+
13	5 <sup>TH</sup> WEEK	4	Inner product spaces.	Teaching Classes	2	Class room	1	+-
MONTH:	SEPTEMBE	R		PSS PSS	1	seminar		
14	2 <sup>ND</sup> WEEK	3	Euclidean and unitary spaces, Norm or length of a Vector.	Teaching Classes	2	2018-19		7
15	3 <sup>RD</sup> WEEK	1	Schwartz inequality, Triangle in Inequality, Parallelogram law	PSS Teaching Classes	1		<del> </del>	<u> </u>
	4 <sup>TH</sup>		II-MID	PSS				
	WEEK 5 <sup>TH</sup>	4	Orthogonality, Orthonormal set.	Teaching Classes PSS	2 2			
17	WEEK	5	complete orthonormal set, Gram – Schmidt orthogonalisation process. Bessel's inequality and Parseval's Identity.	Teaching Classes PSS	3	Class room		<del> </del>
MONTH:	OCTOBER					seminar	1	
18	1 <sup>ST</sup> WEEK	4	Bessel's inequality and Parseval's Identity	Teaching Classes	3	2018-19		
19	2 <sup>ND</sup> WEEK	4	REVISION	Teaching Classes	1	Class room	1	<u> </u>
20	3 <sup>RD</sup> WEEK		DASARA HOLIDAYS	PSS	2	seminar		-
21	WEEK		SEMESTER END EXAMINATIONS-2018		$\dashv$			
22	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2018		_			
MONTH :NO	OVEMBER							
23	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2018			2018-19		
24	2 <sup>ND</sup> WEEK		SEMESTER END AND PRATCICAL EXAMINATIONS-2018		-		_	

N.S.V Kiran Kumar M.So., M.Fhit., B.Ed.,

Head of the Mathematics Department

RAMACHAMORAPUHANI-533 255
SIGNATURE OF THE DEPARTMENT I/C

SIGNATURE OF THE LECTURER

N.S.M. Kiran Kumar M.Sc., M.Phil., B.Ed., · Par Aires Department SIGNATURE OF THE PRINCIPAL

PRINCIPAL, V.S.M. COLLEGE-(A) RAMACHANDRAPURAM-533 255, (E.G.Dt.)

**DEPARTMENT: MATHEMATICS** 

Semester: VI

PAPER VII: Numerical Analysis CLASS: III B.Sc., (M.P.Cs)

### NAME OF THE LECTURER: N.S.V.KIRAN KUMAR

			<del></del>						
SERIAL NUMIBER	IH & EK	JRS		ADDITIONAL	CURRICULAI ACTIVITY	₹	CO-CURRICU ACTIVITY		Ks
SER	MONTH & WEEK	HOURS	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MONTH:	NOVEMBE	R					2010 10		<u> </u>
1	3 <sup>RD</sup> WEEK	5	Errors and their Accuracy, Mathematical preliminaries,		Teaching Classes PSS	3	2018-19		
2	4 <sup>RD</sup> WEEK	4	Mathematical Preliminaries, Errors and their Analysis, Absolute, Relative and Percentage Errors		Teaching Classes PSS	3			
3	5 <sup>TH</sup> WEEK	4	A general error formula, Error in a series approximation.		Teaching Classes PSS	2	Class room seminar	11	
MONTH:	DECEMBI	ER					2018-19		
5	2 <sup>ND</sup> WEEK	4	The bisection method, The iteration method The method of false position, Newton Raphson method		Teaching Classes PSS	2 2	2010-19		
6	3 <sup>RD</sup> WEEK	5	Generalized Newton Raphson method. Muller's method		Teaching Classes PSS	3 2			
7	4 <sup>TH</sup> WEEK	5	Your own styles, properties and values in styles, style sheet		Teaching Classes PSS	3	Class room	1	
8	5 <sup>TH</sup> WEEK	5	CHRISTMAS HOLIDAYS and I mid exams	-	Teaching Classes PSS	3 2	seminar		
MONTH:J							2018-19		
9	l <sup>ST</sup> WEEK	3	Introduction to java script: what is DHTMLN, Java script, basics,		Teaching Classes PSS	2	2010-17	ГТ	
10	2 <sup>ND</sup> WEEK	4	Central Differences, Symbolic relations		Teaching Classes PSS	2		$\vdash +$	_
11	3 <sup>RD</sup> WEEK	5	PONGAL HOLIDAYS		Teaching Classes PSS	3	ie .		
12	4 <sup>TH</sup> WEEK	4	Detection of errors by use of differences Tables, Differences of a polynomial.		Teaching Classes PSS	2 2 2			

13	5 <sup>TH</sup>	3	Newton's formulae for interpolation	Teaching Classes	1	Class room	1 1	
MONTH	WEEK FEBRAUR		The state of the polation	PSS PSS	li	seminar	'	
	I ST		Control Difference Let 11: 7			2018-19		
14	WEEK	2	Central Difference Interpolation Formulae, Gauss's central difference formulae	Teaching Classes PSS	2			
15	2 <sup>ND</sup> WEEK	4	Stirling's central difference formula, Bessel's formula, Everett's Formula	Teaching Classes PSS	3		-	
16	3 <sup>RD</sup> WEEK	3	II Mid exams	Teaching Classes PSS	2		<del>                                     </del>	-
17	4 <sup>TH</sup> WEEK	5	Interpolation With unevenly spaced points, Lagrange's formula, Error in Lagrange's formula	Teaching Classes PSS	3	Class room seminar	1	
18	5 <sup>TH</sup> WEEK	3	Divided differences and their properties, Relation between divided differences and forward differences,	Teaching Classes PSS	2	Johnna		<del> </del>
MONTH:					<u> </u>	2010.10	Щ.	Щ.
19	1 <sup>ST</sup> WEEK	2	Relation between divided differences and backward differences	Teaching Classes PSS	2	2018-19		
20	2 <sup>ND</sup> WEEK	4	Relation between Divided differences and central differences	Teaching Classes PSS	2			
21	3 <sup>RD</sup> WEEK	5	Newton's general interpolation Formula, inverse interpolation	Teaching Classes PSS	3 2	<del> </del>		
22	4 <sup>TH</sup> WEEK	4	REVISION	Teaching Classes PSS	1 2	Class room	1	
23	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS - 2018			seminar		
MONTH:						2018-19		
24	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS - 2018			2010-19	$\neg$	
25	2 <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS - 2018		-			
26	3 <sup>RD</sup> WEEK		PRATCICAL EXAMINATIONS 2018 (iran Kunsar		$\dashv$		$\dashv$	
			Head of the Mathematics Department			<u></u>		
	,		Manager Control of the Control of th					

SIGNATURE OF THE DEPARTMENT I/C

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SIGNATURE OF THE PRINCIPAL

PRINCIPAL, V.S.M. COLLEGE (A)
JAMACHANDRAPURAM-533,254, 13-4,01.)

**DEPARTMENT: MATHEMATICS** 

Semester: I

NAME OF THE LECTURER: N.L.N.MALLIKA

PAPER I: differential equations CLASS: I B.Sc., (M.P.Cs & M.P.C)

SERIAL	MONTH & WEEK	HOURS	SYLLABUS TOPIC	ADDITIONAL INPUT/	CURRICULA ACTIVITY	R	CO-CURRICU ACTIVIT		RKS
		IIO		VALUES ADDITION	ACTIVI	ALLOT	ACTIVI	HOURS ALLOT	REMARKS
MONTH:	UNE			<u> </u>			2018-19		<u> </u>
1	4 <sup>TH</sup> WEEK	6	Orientation Class, Differential equations Reducible to Linear Form		OrientationClass Teaching Classes PSS	3 2	2018-19	4.5	
2	5 <sup>TH</sup> WEEK	6	Exact differential Equations, Integrating factors.		Teaching Classes PSS	3 2	Class room seminar	1	
MONTH: J					2017-18			<u> </u>	
3	1 <sup>ST</sup> WEEK	6	Integrating factors, Change of variables		Teaching Classes PSS	4 2			
4	2 <sup>ND</sup> WEEK	5	Orthogonal Trajectories		Teaching Classes PSS	3 2			
5	3 <sup>RD</sup> WEEK	6	Equations solvable for p, Equations solvable for x		Teaching Classes PSS	3 2	Class room seminar	1	
6	4 <sup>TH</sup> WEEK	3	Equations solvable for y I MID Examinations		Teaching Classes PSS	2	Settitida		
7	5 <sup>TH</sup> WEEK	2	Equations that do not contain x (or y)		Teaching Classes PSS	1			
MONTH: A							2018-19		
8	I <sup>ST</sup> WEEK	4	Equations of first degree in x and y - Clairaut's Equations.		Teaching Classes PSS	2 2			
9	2 <sup>ND</sup> WEEK	5	Solution of homogeneous linear equations of order n with constant coefficient		Teaching Classes PSS	3 2	<u></u>		
9	3 <sup>RD</sup> WEEK	5	Solution of homogeneous linear differential with constant coefficients by means of polynomial operators.  P.I of f(D)y = Q where Q is an exponential function		Teaching Classes PSS	3 2			_
10	4 <sup>TII</sup>	5	P.I of $f(D)$ $y = Q$ where Q is b sin ax or b cos ax.  General		Teaching Classes	2		<del>                                     </del>	

	WEEK		solution of $f(D)y = Q$ where Q is a function of x	PSS	3	·	1	
11	5 <sup>TH</sup> WEEK	5	P.I of $f(D)y = Q$ where $Q = bx^k$ P.I of $f(D)y = Q$ where $Q = e^{ax}V$	Teaching Classes PSS	2 2	Class room seminar	1	$\vdash$
MONTH:	SEPTEMBE	R		2018		1		<u> </u>
12	2 <sup>ND</sup> WEEK	4	Problem solving session	Teaching Classes PSS	2 2			
13	3 <sup>RD</sup> WEEK	2	P.I of f(D)y = Q where Q = xV II-MID Examinations	Teaching Classes PSS	1			
14	WEEK	5	P.I of $f(D)y = Q$ where $Q = xmV$	Teaching Classes PSS	2 2	Class room seminar	1	
15	5 <sup>TH</sup> WEEK	6	Methods of variation of parameters	Teaching Classes PSS	4 2			
MONTH:	OCTOBER			2018-	-19			
16	1 <sup>ST</sup> WEEK	5	Linear differential equations with non-constant coefficient	Teaching Classes PSS	3 2	-		
17	2 <sup>ND</sup> WEEK	5	The Cauchy-Euler equations	Teaching Classes PSS	2 2	Class room seminar	I	
18	3 <sup>RD</sup> WEEK	1	DASARA HOLIDAYS			- John Marie		
19	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2018			-		
20	5 <sup>TR</sup> WEEK		SEMESTER END EXAMINATIONS-2018					
MONTH:	NOVEMBER	t .				2018-19		
21	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2018			2010 17		
22	2 <sup>ND</sup> WEEK		SEMESTER END AND PRATCICAL EXAMINATIONS-2018					

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Phil., B.Ed., Head of the Mathematics Department V.S.M. College RAMACHANDRAPURAM-533 255

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PRINCIPAL, V.S.M. COLLEGE (4) RAMACHANDRAPURAM-533 255, (E.G.D.A.,

**DEPARTMENT: MATHEMATICS** 

Semester: II

PAPER II; SOLID GEOMETRY CLASS: I B.Sc., (M.P.Cs &M.P.C)

### NAME OF THE LECTURER: N.L.N. MALLIKA

SERIAL	MONTH & WEEK	HOURS		ADDITIONAL	CURRICULAI ACTIVITY	₹	CO-CURRICU ACTIVITY	LAR	SKS
SER	MON	HOI	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MONTH:	NOVEMBE	R					2018-19		
1	3 <sup>ND</sup> WEEK	6	Equation of a plane in terms of its intercept on the axis, Equation of the plane through the given points		Teaching Classes PSS	4 2			
2	4 <sup>RD</sup> WEEK	5	Length of the perpendicular from a given point to a given plane, Bisectors of angle between two planes		Teaching Classes PSS	3 2		$\Box$	
3	5 <sup>TH</sup> WEEK	5	Combined equation of two planes ,orthogonal projection on a plane		Teaching Classes PSS	2 2	Class room seminar	1	
MONTH: I		<u> </u>		<u> </u>			2018-19		
4	2 <sup>TII</sup> WEEK	5	Equation of a line, angle between a line and a plane		Teaching Classes PSS	3 2	2010-17	T	
5	3 <sup>ST</sup> WEEK	6	The condition that a given line may lie in a given plane, The condition that two given lines are coplanar		Teaching Classes PSS	4 2			
6	4 <sup>ND</sup> WEEK	6	Number of arbitrary constants in the equation of a straight line, Sets of conditions which determine a lines		Teaching Classes PSS	3 2	Class room seminar	1	
7	5 <sup>RD</sup> WEEK	1	Christmas Holidays I MID examinations.		Teaching Classes	1	Johnnar		
MONTH: J.	ANUARY 1 <sup>ST</sup>		The Level 1 of the second				2018-19		
8	WEEK	4	The length and equation of the line of shortest distance between two Straight lines		Teaching Classes PSS	2 2			
9	2 <sup>ND</sup> WEEK	5	Length of the perpendicular from a given point to a given line		Teaching Classes PSS	3 2	<del></del>		
10	3 <sup>ND</sup> WEEK		PONGAL HOLIDAYS						

11	4 <sup>ND</sup>	5	Definition and equation of the sphere, equation of the sphere through	Teaching Classes	3		
	WEEK	<u> </u>	Four given points, plane sections of a sphere,	PSS	2		
12	5 <sup>RD</sup> WEEK	4	Intersection of two sphere ,equation of a circle, sphere through a given Circle ,intersection of a sphere and lie , power of a point	Teaching Classes PSS	2	Class room	1
MONTH:	FEBRUARY	 7	y charte , and the chart and the , power of a point	133	1	seminar	
	1 <sup>ST</sup>	<u> </u>				2018-19	
	WEEK	2	Tangent plane ,plane of contact , polar plane	Teaching Classes PSS	1		
13	2 <sup>TH</sup> WEEK	5	Pole of a plane, conjugate points, conjugate planes, Angle of intersections of two spheres,	Teaching Classes PSS	3 2	190	
14	3 <sup>ND</sup> WEEK	3	II Mid exams Conditions for two spheres to be orthogonal, radical plane, coaxial system of spheres, simplified from of the equations of two spheres.	Teaching Classes PSS	2		
15	4 <sup>RD</sup> WEEK	6	Definitions of a cone, vertex, guiding curve, generators, equation of the cone with a given vertex and guiding curve, enveloping cone of a sphere, Equations of cones with vertex at origin are homogenous.	Teaching Classes PSS	4 2		
16	5 <sup>TH</sup> WEEK	4	Condition that the general equation of the second degree should represent a cone,	Teaching Classes PSS	2	Class room seminar	!
MONTH: N						2018-19	
	1 <sup>ST</sup> WEEK	2	condition that a cone may have three mutually perpendicular generators	Teaching Classes	1		
17	2 <sup>ND</sup> WEEK	4	Intersections of a line and a quadric cone, tangent lines and tangent plane at a point	Teaching Classes PSS	3		
18	3 <sup>RD</sup> WEEK	6	. Condition that a plane may touch a cone, reciprocal cones, intersections of two cones with a common vertex	Teaching Classes PSS	4 2		
19	4 <sup>TII</sup> WEEK	5	RIVISION	Teaching Classes PSS	2 2	Class room seminar	1
20	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2018	100	-	Johnna	
IONTH : A						2018-19	
21	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2018			mv 13 a.r	Π
22	2 <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS-2018		$\neg$	<u> </u>	
23	3 <sup>RD</sup> WEEK		PRATCICAL EXAMINATIONS-2018  N.S.V Biran Kumar		$\dashv$		

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M.Sc., M.Phil., B.Ed.,
Head of the Mathematics Department

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PRINCIPAL, V.S.M. COLLEGE (A)
RAMACHANDRAPURAM-533 255. (E.G.Dt.)

**DEPARTMENT: MATHEMATICS** 

Semester: V

PAPER VI: LINEAER ALGEBRA CLASS: III B.Sc., (M.P.Cs)

### NAME OF THE LECTURER: S.MANIKANTA

SERIAL	MONTII & WEEK	HOURS AVAILABLE	CVI I A DVIC TODAC	ADDITIONAL	CURRICULAI ACTIVITY	R	CO-CURRICU ACTIVITY		RKS
SER	MONTH	HOURS A	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	АСПИПУ	HOURS	ACTIVITY	HOURS	REMARKS
MONTH: J	IUNE						2018-19		
1	2 <sup>ND</sup> WEEK	4	Vector Spaces, General properties of vector spaces, n-dimensional Vectors, addition and scalar multiplication of Vectors, internal and external composition, Null space.		Teaching Classes PSS	2 2			
2	3 <sup>RD</sup> WEEK	4	Vector subspaces, Algebra of subspaces, Linear Sum of two subspaces, linear combination of Vectors.		Teaching Classes PSS	3			
3	4 <sup>TH</sup> WEEK	5	Linear span Linear independence and Linear dependence of Vectors.		Teaching Classes PSS	3 2			
4	5 <sup>TH</sup> WEEK	5	Basis of Vector space, Finite dimensional Vector spaces.		Teaching Classes PSS	2 2	Class room seminar		
MONTH: J							2018-19		
5	I <sup>ST</sup> WEEK	5	Basis extension, co-ordinates, Dimension of a Vector space, Dimension of a subspace.		Teaching Classes PSS	3 2			
6	2 <sup>ND</sup> WEEK	4	Quotient space and Dimension of Quotient space.		Teaching Classes PSS	2 2			
7	3 <sup>RD</sup> WEEK	5	Linear transformations, linear operators, Properties of L.T, sum and product of LTs.		Teaching Classes PSS	3 2			
8	4 <sup>TH</sup> WEEK	2	Algebra of Linear Operators, Range and null space of linear transformation.  I MID Examinations		Teaching Classes	1	Class room seminar	1	-
MONTH: A	UGUST						2018-19	1	
9	I <sup>ST</sup> WEEK	3	Rank and Nullity of linear transformations – Rank – Nullity Theorem.	Add-on progra	Teaching Classes PSS	2	2010-17		

10	2 <sup>ND</sup> WEEK	4	Matrices, Elementary Properties of Matrices, Inverse Matrices, Rank of Matrix.		Teaching Classes PSS	2 2			Т
11	3 <sup>RD</sup> WEEK	4	Linear Equations, Characteristic Roots, Characteristic Values & Vectors of square Matrix.		Teaching Classes PSS	3		-	+
12	WEEK	4	Cayley - Hamilton Theorem and Problems.		Teaching Classes	2		+-	+
13	5 <sup>TH</sup> WEEK	4	Inner product spaces.		Teaching Classes PSS	2	Class room	1	+
MONTH:		ER_		<del></del>	133		seminar		
14	2 <sup>ND</sup> WEEK	3	Euclidean and unitary spaces, Norm or length of a Vector.		Teaching Classes	2	2018-19		Γ
15	3 <sup>RD</sup> WEEK	1	Schwartz inequality, Triangle in Inequality, Parallelogram law.  II-MID Examiations	Addron Soveled	Teaching Classes	<u> </u>		-	-
16	4 <sup>TH</sup> WEEK	4	Orthogonality, Orthonormal set.	130 on Street	Teaching Classes	2			_
17	5 <sup>TH</sup> WEEK	5	complete orthonormal set, Gram – Schmidt orthogonalisation process. Bessel's inequality and Parseval's Identity.		PSS Teaching Classes	3	Class room		
MONTH: C			process Bessel 5 inequality and Parseval's Identity.		PSS	_1	seminar	1 1	
18	1 <sup>ST</sup>	4	D12 12 12 12 12 12 12 12 12 12 12 12 12 1				2018-19		
<del></del>	WEEK	4	Bessel's inequality and Parseval's Identity		Teaching Classes PSS	3			
19	WEEK 3 <sup>RD</sup>	4	REVISION		Teaching Classes (	2)1	Class room		_
20	WEEK 4TH	1	DASARA HOLIDAYS			-	seminar		_
21	WEEK 5 <sup>TH</sup>	_	SEMESTER END EXAMINATIONS-2018						_
22 40NTH - NG	WEEK		SEMESTER END EXAMINATIONS-2018			+		-	_
ON: HTMON	1ST						1010 10		_
23	WEEK	_	SEMESTER END EXAMINATIONS-2018			$\top$	2018-19		_
24	2 <sup>ND</sup> WEEK		PRATCICAL EXAMINATIONS-2018			-+			_

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Phil., B.Ed., Head of the Mathematics Department V.S.M. College RAMACHANDRAPURAM-533 255 SIGNATURE OF THE PRINCIPAL

PRINCIPAL, V.S.M. COLLEGE (A) 8AMACHANDRAPURAM-533 255, (E.G.Dt.)

DEPARTMENT: MATHEMATICS Semester: VI

NAME OF THE LECTURER: S.MANIKANTA

PAPER VII: Numerical Analysis CLASS: III B.Sc (M.P.C & M.P.Cs)

AL SER	H &	RS IBLE		ADDITIONAL	CURRICULAI ACTIVITY	R	CO-CURRICU ACTIVITY		KS
SERIAL	MONTH & WEEK	HOURS	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	АСТІИІТУ	HOURS	ACTIVITY	HOURS	REMARKS
MONTH:	NOVEMBE	2					2018-19	·	
1	3 <sup>RD</sup> WEEK	5	Errors and their Accuracy, Mathematical preliminaries,		Teaching Classes PSS	3 2			
2	4 <sup>RD</sup> WEEK	4	Mathematical Preliminaries, Errors and their Analysis, Absolute, Relative and Percentage Errors		Teaching Classes PSS	3			
3	5 <sup>TH</sup> WEEK	4	A general error formula, Error in a series approximation.		Teaching Classes PSS	2	Class room seminar	1	
MONTH:	DECEMBE	R					2018-19		
5	2 <sup>ND</sup> WEEK	4	The bisection method, The iteration method The method of false position, Newton Raphson method		Teaching Classes PSS	2 2			
6	3 <sup>RD</sup> WEEK	5	Generalized Newton Raphson method. Muller's method		Teaching Classes PSS	3 2			
7	4 <sup>TH</sup> WEEK	5	Your own styles, properties and values in styles, style sheet		Teaching Classes PSS	3	Class room seminar	1	
8	5 <sup>TH</sup> WEEK	1	CHRISTMAS HOLIDAYS and I mid exams		Teaching Classes	1			
MONTH:J							2018-19		
9	l <sup>ST</sup> WEEK	3	Introduction to java script: what is DHTMLN, Java script, basics,		Teaching Classes PSS	2 1			
10	2 <sup>ND</sup> WEEK	4	Central Differences, Symbolic relations		Teaching Classes PSS	2 2			
11	3 <sup>RD</sup> WEEK	5	PONGAL HOLIDAYS		Teaching Classes PSS	3 2			
12	4 <sup>TH</sup> WEEK	4	Detection of errors by use of differences Tables, Differences of a polynomial.		Teaching Classes PSS	2 2	ž.		

13	5 <sup>TH</sup> WEEK	3	Newton's formulae for interpolation	Teaching Classes	1	Class room	1	T
MONTH	:FEBRAUR	Y		PSS	1	seminar	<u> </u>	<u> </u>
14	1 <sup>ST</sup> WEEK	2	Central Difference Interpolation Formulae, Gauss's central difference formulae	Teaching Classes	2	2018-19		T -
15	2 <sup>ND</sup> WEEK	4	Stirling's central difference formula, Bessel's formula, Everett's Formula	Teaching Classes PSS	3			
16	3 <sup>RD</sup> WEEK	3	II Mid exams	Teaching Classes PSS	2		-	
17	4 <sup>TH</sup> WEEK	5	Interpolation With unevenly spaced points, Lagrange's formula, Error in Lagrange's formula	Teaching Classes PSS	3 2		-	
18	5 <sup>TH</sup> WEEK	3	Divided differences and their properties, Relation between divided differences and forward differences,	Teaching Classes PSS	1	Class room seminar	1	
MONTH:						2018-19	<u> </u>	
19	I <sup>ST</sup> WEEK	2	Relation between divided differences and backward differences	Teaching Classes PSS	2	2010-19		
20	2 <sup>ND</sup> WEEK	4	Relation between Divided differences and central differences	Teaching Classes	2 2			
21	3 <sup>RD</sup> WEEK	5	Newton's general interpolation Formula, inverse interpolation	Teaching Classes PSS	2 2	Class room seminar	1	
22	WEEK	4	REVISION	Teaching Classes PSS	2 2	Schina		-
23	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS - 2018					
MONTH:						2018-19		
24	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS - 2018			2010-17	$\neg$	
25	2 <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS - 2018				$\dashv$	
26	3 <sup>RD</sup> WEEK		PRATCICAL EXAMINATIONS - 2018			<del></del>	$\dashv$	

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SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Phil., B.Eth Head of the Mathematics Department V.S.M. College RAMACHANDRAPURAM-533 255

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PRÎNCIPAL, V.S.M. COLLEGE (A) TCHANDRAPURAM-533 255. (E.G.Dt.)

**DEPARTMENT: MATHEMATICS** 

Semester: I

PAPER I: Differential Equations
CLASS: I B.Sc (M.P.Cs)

### NAME OF THE LECTURER: G.T.SWARNALATA

NL IER	WEEK	VILABLE		ADDITIONAL	CURRICULAR ACTIVITY		CO-CURRICU ACTIVITY		KS
SERIAL	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MONTH:	JUNE						2018-19		
1	4 <sup>TH</sup> WEEK	6	Orientation Class, Differential equations Reducible to Linear Form		Orientation Class Teaching Classes PSS	1 3 2	2010-19		-
2	5 <sup>rii</sup> WEEK	6	Exact differential Equations, Integrating factors.		Teaching Classes PSS	3 2	Class room seminar	1, 1	
MONTH:					2017-18				
3	1 <sup>ST</sup> WEEK	6	Integrating factors, Change of variables		Teaching Classes PSS	4 2			
4	2 <sup>ND</sup> WEEK	5	Orthogonal Trajectories		Teaching Classes PSS	3 2			
5	3 <sup>RD</sup> WEEK	6	Equations solvable for p, Equations solvable for x		Teaching Classes PSS	3 2	Class room seminar	1	
6	4 <sup>TH</sup> WEEK	3	Equations solvable for y I MID Examinations		Teaching Classes PSS	2	Schina		
7	5 <sup>TH</sup> WEEK	2	Equations that do not contain x (or y)		Teaching Classes PSS	1			
MONTH: A							2018-19		
8	1 <sup>ST</sup> WEEK	4	Equations of first degree in x and y - Clairaut's Equations.		Teaching Classes PSS	2 2			
9	2 <sup>ND</sup> WEEK	5	Solution of homogeneous linear equations of order n with constant coefficient		Teaching Classes PSS	3 2	· · ·		
9	3 <sup>RD</sup> WEEK	5	Solution of homogeneous linear differential with constant coefficients by means of polynomial operators.  P.I of f(D)y = Q where Q is an exponential function		Teaching Classes PSS	3 2			

10	4 <sup>TH</sup>		P.I of $f(D)$ $y = Q$ where Q is b sin ax or b cos ax.  General	Teaching Classes	12		1	<u> </u>
10	WEEK	5	solution of $f(D)y = Q$ where Q is a function of x	PSS	2 3			1
11	5 <sup>TH</sup> WEEK	5	P.I of $f(D)y = Q$ where $Q = bx^k$ P.I of $f(D)y = Q$ where $Q = e^{ax}V$	Teaching Classes PSS	2 2	Class room seminar	I	
MONTH:	SEPTEMBE	CR		2018	2.10			<u> </u>
12	2 <sup>ND</sup> WEEK	4	Problem solving session	Teaching Classes PSS	2 2		1	
13	3 <sup>RD</sup> WEEK	2	P.I of f(D)y = Q where Q = xV II-MID Examinations	Teaching Classes PSS	1	<u> </u>		
14	WEEK	5	P.I of $f(D)y = Q$ where $Q = xmV$	Teaching Classes PSS	2 2	Class room seminar	1	
15	5 <sup>TH</sup> WEEK	6	Methods of variation of parameters	Teaching Classes PSS	4 2			
MONTH:	OCTOBER			2018	-19			
16	WEEK	5	Linear differential equations with non-constant coefficient	Teaching Classes PSS	3 2	<u> </u>		
17	2 <sup>ND</sup> WEEK	5	The Cauchy-Euler equations	Teaching Classes PSS	2 2	Class room seminar	1	
18	3 <sup>RD</sup> WEEK	1	DASARA HOLIDAYS		-=	Sommar		
19	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2018		$\neg$			
20	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2018					
MONTH:	NOVEMBER	1				2018-19	1 1	
21	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2018			2010-17		
22	2 <sup>ND</sup> WEEK		SEMESTER END AND PRATCICAL EXAMINATIONS-2018					

G.T.-S. John -SIGNATURE OF THE LECTURER N.S.V. Kiran Kumar M.Sc., M.Phil., B.Ed., M.Sc., M.Phil., B.Ed., M.S.M. College RAMAGNANDI NZWRAM-533 255 SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Phii., B.Ed., Head of the Mathematics Department V.S.M. College RAMACHANDRAPURAM-533 255 SIGNATURE OF THE PRINCIPAL

PRÍNCIPAL, V.S.M. COLLEGE (A)
RAMACHANDRAPURAM-533 255, (E.G.D.)

DEPARTMENT: MATHEMATICS

Semester: III

PAPER III: ABSTRACT ALGEBRA CLASS: II B.Sc (M.P.C & M.P.Cs )

### NAME OF THE LECTURER: G.T. SWARNALATA

AL ER	WEEK	MLABLE		ADDITIONAL	CURRICULAR ACT	rivity	CO-CURRICU	LAR ACTIVITY	KS
SERIAL	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	АСПИПУ	HOURS	ACTIVITY	HOURS	REMARKS
MONTH:	JUNE				·	<u> </u>	2017-18	<u> </u>	
ı	2 <sup>ND</sup> WEEK	5	Binary operation – Algebraic structure – semi group – monoid - Group definition		Teaching Classes PSS	4			
2	3 <sup>RD</sup> WEEK	6	Problems solved on group definition		Teaching Classes PSS	4 2			
3	4 <sup>TH</sup> WEEK	6	Elementary properties finite and infinite groups – examples		Teaching Classes PSS	3 2	Class room seminar	1	
4	5 <sup>TH</sup> WEEK	6	Order of a group. Composition tables with examples		Teaching Classes PSS	4 2			
MONTH:	JULY						2017-18		
5	1 <sup>ST</sup> WEEK	6	Union and intersection of subgroups . cosets definition properties of cosets		Teaching Classes PSS	4 2			
6	2 <sup>NB</sup> WEEK	5	Index of subgroups of a finite groups – Lagrange's theorem		Teaching Classes PSS	3 2			
7	3 <sup>RD</sup> WEEK	6	Definition of normal subgroup – proper and improper normal subgroup- Hamilton group – criterion for a subgroup to be a normal subgroup		Teaching Classes PSS	3 2	Classroom seminar	1	
8	WEEK	3	Intersection of two normal subgroup — sub group of index 2 is a normal sub group		Teaching Classes PSS	2			
MONTH:							2017-18		
9	1 <sup>ST</sup> WEEK	4	I MID EXAMS . simple group- quotient group -criteria for the existence of a quotient group.		Teaching Classes PSS	3			

10	2 <sup>ND</sup> WEEK	5	Definition of homomorphism – image of homomorphism	Teaching Classes PSS	3			
11	3 <sup>RD</sup> WEEK	5	elementary properties of homomorphism   Isomorphism –automorphism definitions and elementary properties –kernel of a homomorphism	Teaching Classes PSS	3	Classroom	1	
12	4 <sup>TH</sup> WEEK	4	Fundamental theorem on homomorphism and applications.	Teaching Classes PSS	2 2	seminar		
13	5 <sup>TH</sup> WEEK	5	Definition of permutation- permutation multiplication	TeachingClasses PSS	3 2			
MONTH:	SEPTEMB	ER				2017-18		
14	2 <sup>ND</sup> WEEK	4	Problems solving session	Teaching Classes PSS	2	Classroom seminar	1	
15	3 <sup>RD</sup> WEEK	2	II MID Exams Inverse of a permutation –cyclic permutations- transposition	Teaching Classes PSS	1			
16	4 <sup>TH</sup> WEEK	5	Even and odd permutations - Cayley's theorem	Teaching Classes PSS	<u>3</u> = 2		· · · ·	
MONTH:	: OCOBER					2017-18		
17	1 <sup>ST</sup> WEEK	5	Definition of cyclic group –elementary properties	Teaching Classes PSS	2 2	Classroom seminar	1	T
18	2 <sup>ND</sup> WEEK	5	Classification of cyclic groups	Teaching Classes PSS	3 2		· · · ·	
19	3 <sup>Rb</sup> WE3 <sup>Rb</sup> WEEK EK	1	DASARA HOLIDAYS			W.		
20	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2018					
21	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2018					
MONTH:	NOVEMBE	R				2017-18		
22	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2018				· <u></u>	
23	2 <sup>ND</sup> WEEK		PRATCICAL EXAMINATIONS-2018 V. Kiran K	umar MPNL REA				

Head of the Mathematics Department V.S.M. College
RANGEHANDEAPURANT-533 755
SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Dhil., B.Ed., Head of the Mathematics Department V.S.M. College RAMACHANDRAPURAM-533 255 PRÍNCIPAL, V.S.M. COLLEGE (A RAMACHANDRAPURAM-533 255, (E.G.Ut.)

**DEPARTMENT: MATHEMATICS** 

Semester: IV

PAPER IV: REAL ANALYSIS CLASS: I B.Sc., (M.P.Cs &M.P.C)

#### NAME OF THE LECTURER: G.T.SWARNA LATHA

- 1 K	WEEK			CURRICULAR ACTIVITY		CO-CURRICUI ACTIVITY		ARKS	
SERIAL NUMBER	MONTH & WEEK	HOURS AVA	SYLLABUS TOPIC	ADDITIONAL INPUT/ VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MONTH:	NOVEMBE	ER					2018-19		
1	3 <sup>ND</sup> WEEK	5	The algebraic and order properties of R, absolute value and real line, completeness property of R, Applications of supreme property; intervals. No Question is to be set from this portion		Teaching Classes PSS	3 2			
2	4 <sup>RD</sup> WEEK	6	Sequence and their limits, range and boundedness of sequences, Limit of a sequence. the Cauchy's criterion, properly divergent sequences		Teaching Classes PSS	3 2	Classroom seminar	1	
3	5 <sup>TH</sup> WEEK	6	Monotone sequence, necessary and sufficient condition for convergence of monotone sequence, limit point f sequence, subsequences and the Bolzano- weierstrass theorem—Cauchy sequences—cauchey's general principle of convergence theorem.		Teaching Classes PSS	4. 2			
MONTH:	DECEMBE	R					2018-19		
5	2 <sup>ST</sup> WEEK	5	Introduction to series, convergence of series. Cauchy's general principle of convergence of series tests for convergence of series, series of non-negative terms.		Teaching Classes PSS	3 2			
6	3 <sup>ND</sup> WEEK	6	1P-test 2.cauchy's root test or root test .3. D' Alembert's test or ratio test .		Teaching Classes PSS	3 2	Classroom seminar	1	
7	4 <sup>RD</sup> WEEK	6	Alternating series.  Leibnitz test. Absolute convergence and conditional convergence limit concept		Teaching Classes PSS	4 2			
8	5 <sup>TH</sup> WEEK		CHRISTMAS HOLIDAYS and I MID EXAMINATIONS		Teaching Classes PSS				
MONTH:	JANUARY						2018-19		
9	1 <sup>ST</sup>	4	Real valued functions. Roundedness of a function, limits of functions	Add-on-Porgan	Teaching Classes	2			

Stoorted - Bo Days.

	WEEK		Limits of functions. Some extensions of the limit concept,		PSS	2		T	
10	2 <sup>ND</sup> WEEK	5	Infinite limit at infinity. No. question is to be set from this portion continuous functions:		Teaching Classes PSS	2 2	Classroom seminar	1	
11	3 <sup>RD</sup> WEEK		PONGAL HOLIDAYS		Teaching Classes PSS				
12	4 <sup>TH</sup> WEEK	5	Continuous functions on intervals		Teaching Classes PSS	3 2			
13	5 <sup>TII</sup> WEEK	4	Uniform continuity		Teaching Classes PSS	2 2			
MONTH : F	·	Y					2018-19		
14	1 <sup>ND</sup> WEEK	2	The derivability of a function, on an interval at a point, derivability and continuity of function, graphical meaning of the derivative,		Teaching Classes PSS	1 1			
15	2 <sup>RD</sup> WEEK	5	Mean value theorems		Teaching Classes PSS	2 2	Classroom seminar	1	
16	3 <sup>TH</sup> WEEK	3	Role's theorem II MID EXAMS	AJJ-no Orogram Ended	Teaching Classes PSS	2			
17	4 <sup>TII</sup> WEEK	6	Lagrange's theorem, Cauchy's Cauchy's mean value theorem,.		Teaching Classes PSS	4 2			
18	5 <sup>TH</sup> WEEK	4	Riemann integral functions		Teaching Classes PSS	2 2			
MONTH: N	1ARCH						2018-19		
19	I <sup>ND</sup> WEEK	2	darboux theorem		Teaching Classes PSS	1			
20	2 <sup>ND</sup> WEEK	4	necessary and sufficient condition for R –inerrability, Properties of integrals function s		Teaching Classes PSS	2 2			
21	3 <sup>ND</sup> WEEK	6	Integral as the limit of a sum, mean value theorems		Teaching Classes PSS	3 2	Classroom seminar	1	
22	4 <sup>TII</sup> WEEK	5	REVISION		Teaching Classes PSS	3 2			
23	5 <sup>TII</sup> WEEK		SEMESTER END EXAMINATIONS-2018						
MONTH:					2018-19	)			
23	1 <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS-2018				÷		
24	2 <sup>ND</sup> WEEK		SEMESTER END AND PRATCICAL EXAMINATIONS-2018 Kiran Kumar Michigan	1					
25	3 <sup>ND</sup> WEEK		PRATCICAL EXAMINATIONS-2018						

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Phil., B.Ed., Head of the Mathematics Department V.S.M. Coilege SIGNATURE OF THE PRINCIPAL

PRÎNCIPAL, V.S.M. COLLEGE (A) RAMACHANDRAPURAM-533 255, (E.G.DI.)

DEPARTMENT: MATHEMATICS

Semester: III

PAPER III: ABSTRACT ALGEBRA CLASS: II B.Sc (M.P.C & M.P.Cs)

#### NAME OF THE LECTURER: CH.TANUJA

1 %	WEEK	AVAILABLE		ADDITIONAL	CURRICULAR ACT	ΓΙΝΙΤΥ	CO-CURRICU	LAR ACTIVITY	KS
SERIAL	MONTH & WEEK	HOURS AVA	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MONTH:	JUNE					•	2017-18		
ſ	2 <sup>ND</sup> WEEK	5	Binary operation – Algebraic structure – semi group – monoid - Group definition		Teaching Classes PSS	4			
2	3 <sup>RD</sup> WEEK	6	Problems solved on group definition		Teaching Classes PSS	4 2			
3	4 <sup>TH</sup> WEEK	6	Elementary properties finite and infinite groups – examples		Teaching Classes PSS	3 2	Class room seminar	1	
4	5 <sup>TH</sup> WEEK	6	Order of a group. Composition tables with examples		Teaching Classes PSS	4 2			
MONTH:	JULY						2017-18		
5	1 <sup>ST</sup> WEEK	6	Union and intersection of subgroups . cosets definition properties of cosets		Teaching Classes PSS	4 2			
6	2 <sup>ND</sup> WEEK	5	Index of subgroups of a finite groups – Lagrange's theorem		Teaching Classes PSS	3 2			
7	3 <sup>RD</sup> WEEK	6	Definition of normal subgroup – proper and improper normal subgroup- Hamilton group – criterion for a subgroup to be a normal subgroup		Teaching Classes PSS	3 2	Classroom seminar	1	
8	4 <sup>TH</sup> WEEK	3	Intersection of two normal subgroup – sub group of index 2 is a normal sub group		Teaching Classes PSS	2 1			
MONTH:	AUGUST						2017-18		
9	1 <sup>ST</sup>	4	I MID EXAMS . simple group- quotient group -criteria for		Teaching Classes PSS	3			

	WEEK		the existence of a quotient group.		1	1 1		T
10	2 <sup>ND</sup> WEEK	5	Definition of homomorphism – image of homomorphism elementary properties of homomorphism	Teaching Classes PSS	3 2			
11	3 <sup>RD</sup> WEEK	5	Isomorphism –automorphism definitions and elementary properties –kernel of a homomorphism	Teaching Classes PSS	1;	Classroom seminar	1	
12	4 <sup>TH</sup> WEEK	4	Fundamental theorem on homomorphism and applications.	Teaching Classes PSS	2 2			
13	5 <sup>TH</sup> WEEK	5	Definition of permutation- permutation multiplication	Teaching Classes PSS	3 2			
MONTH:	: SEPTEMB	ER				2017-18		
14	2 <sup>ND</sup> WEEK	4	Problems solving session	Tenching Classes PSS	2	Classroom seminar	1	
15	3 <sup>RD</sup> WEEK	2	II MID Exams Inverse of a permutation –cyclic permutations- transposition	Teaching Classes PSS	1			
16	4 <sup>TH</sup> WEEK	5	Even and odd permutations - Cayley's theorem	Teaching Classes PSS	3 2			
MONTH	: OCOBER					2017-18		
17	1 <sup>ST</sup> WEEK	5	Definition of cyclic group –elementary properties	Teaching Classes PSS	2 2	Classroom seminar	1	
18	2 <sup>ND</sup> WEEK	5	Classification of cyclic groups	Teaching Classes PSS	3 2			
19	3 <sup>RD</sup> WEEK	Ž.	DASARA HOLIDAYS					
20	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2018					
21	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2018					
MONTH:	NOVEMBE	R				2017-18		
22	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2018					
23	2 <sup>ND</sup> WEEK		PRATCICAL EXAMINATIONS-2018	17.0° 17				

ch. Janua SIGNATURE OF THE LECTURER

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Chil., B.Ed., Head of the Mathematics Department V.S.M. College RAMACHANDRAPURAM-533 255 SIGNATURE OF THE PRINCIPAL

PRÍNCIPAL, V.S.M. COLLEGE (A) RAMACHANDRAPURAM-533 255, (E.G.Dt.)

**DEPARTMENT: MATHEMATICS** 

Semester: V

### NAME OF THE LECTURER: CH.TANUJA

PAPER V: Ring theory And Vector Calculus CLASS: III B.Sc (M.P.C & M.P.Cs)

AL SER	WEEK .	AILABLE		ADDITIONAL	CURRICULAR ACTIVITY		CO-CURRICUL ACTIVITY	.AR	RKS
SERIAL	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	аспипу	HOURS	ACTIVITY	HOURS	REMARKS
MONTH: J	UNE						2018-19		
1	2 <sup>ND</sup> WEEK	4	Vector Spaces, General properties of vector spaces, n- dimensional Vectors, addition and scalar multiplication of Vectors, internal and external composition, Null space.		Teaching Classes PSS	2 2			i   
2	3 <sup>RD</sup> WEEK	4	Vector subspaces, Algebra of subspaces, Linear Sum of two subspaces, linear combination of Vectors.		Teaching Classes PSS	3			
3	4 <sup>TH</sup> WEEK	5	Linear span Linear independence and Linear dependence of Vectors.		Teaching Classes PSS	3 2			
4	5 <sup>TH</sup> WEEK	5	Basis of Vector space, Finite dimensional Vector spaces.		Teaching Classes PSS	2 2	Class room seminar	1	
MONTH: J					<u> </u>	1 0	2018-19	, ,	
5	l <sup>ST</sup> WEEK	5	Basis extension, co-ordinates, Dimension of a Vector space, Dimension of a subspace.		Teaching Classes PSS	2			
6	2 <sup>ND</sup> WEEK	4	Quotient space and Dimension of Quotient space.		Teaching Classes PSS	2 2			
7	3 <sup>RD</sup> WEEK	5	Linear transformations, linear operators, Properties of L.T, sum and product of LTs.		Teaching Classes PSS	3 2			
8	4 <sup>TH</sup> WEEK	2	Algebra of Linear Operators, Range and null space of linear transformation. I MID Exam		Teaching Classes	1	Class room seminar	1	
MONTH: A	UGUST						2018-19		
9	1 <sup>ST</sup> WEEK	3	Rank and Nullity of linear transformations – Rank – Nullity Theorem.		Teaching Classes PSS	2			
10	2 <sup>ND</sup>	4	Matrices, Elementary Properties of Matrices, Inverse Matrices,		Teaching Classes	2			

	WEEK		Rank of Matrix.	PSS	2			
11	3 <sup>RD</sup> WEEK	4	Linear Equations, Characteristic Roots, Characteristic Values & Vectors of square Matrix.	Tenching Classes PSS	3			
12	4 <sup>TH</sup> WEEK	4	Cayley - Hamilton Theorem and Problems.	Teaching Classes PSS	2 2			
13	5 <sup>TII</sup> WEEK	4	Inner product spaces.	Teaching Classes PSS	2	Class room seminar	1	
MONTH: S	ЕРТЕМВЕ	R				2018-19		
14	2 <sup>ND</sup> WEEK	3	Euclidean and unitary spaces, Norm or length of a Vector.	Teaching Classes PSS	2			
15	3 <sup>RD</sup> WEEK	1	Schwartz inequality, Triangle in Inequality, Parallelogram law.  II-MID	Teaching Classes PSS	1			
16	4 <sup>TII</sup> WEEK	4	Orthogonality, Orthonormal set.	Teaching Classes PSS	2 2			
17	5 <sup>TH</sup> WEEK	5	complete orthonormal set, Gram – Schmidt orthogonalisation process. Bessel's inequality and Parseval's Identity.	Teaching Classes PSS	3	Class room seminar	1	
MONTH: 0	CTOBER					2018-19		
18	1 <sup>ST</sup> WEEK	4	Bessel's inequality and Parseval's Identity	Teaching Classes PSS	3 1			
19	2 <sup>ND</sup> WEEK	4	REVISION	Teaching Classes PSS	2	Class room seminar	1	
20	3 <sup>RD</sup> WEEK	7	DASARA HOLIDAYS					
21	4 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2018					
22	5 <sup>TH</sup> WEEK		SEMESTER END EXAMINATIONS-2018					
MONTH :NO						2018-19	,	
23	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2018					
24	2 <sup>ND</sup> WEEK		PRATCICAL EXAMINATIONS-2018					

ch. Janya SIGNATURE OF THE LECTURER M.Sc., M.Phil., B.Ed., Head of the Mathematics Department V.S.M. College RAMA-CHANDE APPRAIN 1-533 255 SIGNATURE OF THE DEPARTMENT I/C

M.S.V. Kiran Kumar M.Sc., M.Phil., B.Ed., Head of the Mathemata's Department V.S.M. College RAMACHANDRAPURAM-533 255 SIGNATURE OF THE PRINCIPAL

PRINCIPAL, V.S.M. COLLEGE (A)

MAMACHANDRAPURAM-533 255, [ÉRADL]

**DEPARTMENT: MATHEMATICS** 

Semester: IV

PAPER IV: REAL ANALYSIS CLASS: I B.Sc., (M.P.Cs &M.P.C)

#### NAME OF THE LECTURER: CH.TANUJA

UAL IBER TIH &		SS BLE		ADDITIONAL	CURRICULAR ACTIVITY	t	CO-CURRICUI ACTIVITY		RKS
SERIAL	MONTH & WEEK	HOURS	SYLLABUS TOPIC	INPUT/ VALUES ADDITION	ACTIVIT	ALLOTE D	ACTIVIT Y	HOURS ALLOTE D	REMARKS
MONTH:	NOVEMBI	ER				2018-	19		
1	3 <sup>ND</sup> WEEK	5	The algebraic and order properties of R, absolute value and real line, completeness property of R, Applications of supreme property; intervals. No Question is to be set from this portion		Teaching Classes PSS	3 2			
2	4 <sup>RB</sup> WEEK	6	Sequence and their limits, range and boundedness of sequences, Limit of a sequence. the Cauchy's criterion, properly divergent sequences		Teaching Classes PSS	3 2	Classroom seminar	t	
3	5 <sup>TH</sup> WEEK	6	Monotone sequence, necessary and sufficient condition for convergence of monotone sequence, limit point f sequence, subsequences and the Bolzano- weierstrass theorem - Cauchy sequences - cauchey's general principle of convergence theorem.		Teaching Classes PSS	4. 2			
MONTH:	DECEMBE	R				2018-1	9		
5	2 <sup>ST</sup> WEEK	5	Introduction to series, convergence of series. Cauchy's general principle of convergence of series tests for convergence of series, series of non-negative terms.		Teaching Classes PSS	3 2			
6	3 <sup>ND</sup> WEEK	6	1P-test 2.cauchy's root test or root test .3. D' Alembert's test or ratio test .		Teaching Classes PSS	3 2	Classroom seminar	1	
7	4 <sup>RD</sup> WEEK	6	Alternating series.  Leibnitz test. Absolute convergence and conditional convergence limit concept		Teaching Classes PSS	2			
8	5 <sup>TH</sup> WEEK		CHRISTMAS HOLIDAYS and I MID EXAMINATIONS		Teaching Classes PSS				
MONTH:					20	18-19			
9	1 <sup>ST</sup> WEEK	4	Real valued functions. Boundedness of a function, limits of functions Limits of functions. Some extensions of the limit concept,		Teaching Classes PSS	2 2			

10	2 <sup>ND</sup> WEEK	5	Infinite limit at infinity . no . question is to be set from this portion continuous functions:	Teaching Classes PSS	2 2	Classroom seminar	1	
11	3 <sup>RD</sup> WEEK		PONGAL HOLIDAYS					Г
12	4 <sup>TH</sup> WEEK	5	Continuous functions on intervals	Teaching Classes PSS	3 2			
13	5 <sup>TII</sup> WEEK	4	Uniform continuity	Teaching Classes PSS	2 2			
MONTH : I	EBRAUAR	Y			2018-	19		
14	I <sup>ND</sup> WEEK	2	The derivability of a function, on an interval at a point, derivability and continuity of function, graphical meaning of the derivative,	Teaching Classes PSS	1			
15	2 <sup>RD</sup> WEEK	5	Mean value theorems	Teaching Classes PSS	2 2	Classroom seminar	1	
16	3 <sup>TH</sup> WEEK	3	Role's theorem II MID EXAMS	Teaching Classes PSS	2			
17	4 <sup>TII</sup> WEEK	6	Lagrange's theorem, Cauchy 's Cauchy's mean value theorem	Teaching Classes PSS	4 2		<u></u>	
18	5 <sup>TH</sup> WEEK	4	Riemann integral functions, darboux theorem . necessary and sufficient condition for R –inerrability	Teaching Classes PSS	2 2			
MONTH: N	MARCH			2018-1	9			
19	1 <sup>ND</sup> WEEK	2	Properties of integrals function s	Teaching Classes PSS	1			
20	2 <sup>ND</sup> WEEK	4	Properties of integrable functions	Teaching Classes PSS	2			
21	3 <sup>ND</sup> WEEK	6	Integral as the limit of a sum, mean value theorems	Teaching Classes PSS	3 2	Classroom seminar	1	
22	4 <sup>TII</sup> WEEK	5	REVISION	Teaching Classes PSS	3 2			
23	5 <sup>TII</sup> WEEK	٠	SEMESTER END EXAMINATIONS-2018					
MONTH:				2018-	19			
24	1 <sup>ND</sup> WEEK_		SEMESTER END EXAMINATIONS-2018					
25	2 <sup>ND</sup> WEEK		SEMESTER END EXAMINATIONS-2018					
26	3 <sup>ND</sup> WEEK		PRATCICAL EXAMINATIONS-2018					
			, M.S.V. N. M.Sc., M.Phil., B.Ed.,					

Head of the Mathematics Department

\* RASIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar

M.Sc., M.Phill. B Ed.,
Head of the Mathematics Department

Head of the Mathematics Department V.S.M. College RAMACHANDRAPURAM-533 255 SIGNATURE OF THE PRINCIPAL

PŘÍNCIPAL, V.S.M. COLLEGE (A) RAMACHANDRAPURAM-533 255, (E.G.Dt.)

### VSM COLLEGE(A) :: RAMACHANDRAPURAM

### TABLE - A - CURRICULUM PLAN - LECTURER WISE

**DEPARTMENT: MATHEMATICS** 

PAPER V: RING THEORY AND VECTOR CALCULUS

Semester: V

CLASS: III B.Sc., (M.P.Cs. & M.P.C.)

NAME OF THE LECTURER: N.S.V.KIRAN KUMAR

IAL. BER	i &	AVAILABLE	SYLLABUS TOPICS	ADDITIONAL INPUTS /	CURRICULAR ACT	VITY	CO-CURRICULAR ACTIVITY		RKS
SERIAL	Σ		SYLLABUS TOPICS	VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MON	NTH: JUN	VE.			<u> </u>		2017-18		
1	2 <sup>ND</sup> WEEK	5	Definition of Ring and basic properties, Boolean Rings, divisors of zero and cancellation laws, Rings, Integral Domains		Orientation Class Teaching Classes PSS	1 2 2			
2	3 <sup>RD</sup> . WEEK	5	Division Ring and Fields, The characteristic of a ring. The characteristic of an Integral Domain.		Teaching Classes PSS	3 2			
3	4 <sup>TH</sup> WEEK	5	The characteristic of a Field. Sub Rings, Ideals.		Teaching Classes PSS	3 2			
4	5 <sup>th</sup> WEEK	4	Definition of Homomorphism – Homomorphic Image – Elementary Properties of Homomorphism		Teaching Classes PSS	2	Class Room Seminor	1	
MON	TH: JUL	Y					2017-18		
5	WEEK	5	Kernel of a Homomorphism – Fundamental theorem of Homomorphism		Teaching Classes PSS	3 2			
6	2 <sup>ND</sup> WEEK	5	Maximal Ideals – Prime Ideals		Teaching Classes PSS	3 2		-	
7	3 <sup>RD</sup> WEEK	5	Vector Differentiation, Ordinary derivatives of vectors		Teaching Classes PSS	3 2			
8	4 <sup>TH</sup> WEEK	5	Differentiability, Gradient, Divergence,		Teaching Classes PSS	3	Class Room Seminor	1	
MON	TH: AUG	UST					2017-18		$\neg$
9	1 <sup>ST</sup>	3	I Mid Exams Curl operators,	Add-on programmestocked 30-Day	Teaching Classes PSS	2			

	45									
10	2 <sup>ND</sup> WEEK	5	Formulae Involving these operators			Teaching Classes PSS	3 2			
11	3 <sup>RD</sup> WEEK	4	Line Integral	W		Teaching Classes PSS	3			
12	4 <sup>TH</sup> WEEK	5	Surface Integral			Teaching Classes PSS	3 2			
13	5 <sup>th</sup> WEEK	4	Volume integral with examples		12	Teaching Classes PSS	2	Class Room Seminor	1	
MOI	NTH: SEI	TEM	BER					2017-18		
14	1 <sup>ST</sup> WEEK	1	Theorem of Gauss			PSS	1			
15	2 <sup>ND</sup> WEEK	2	II Mid Exams Gauss applications	Add-on 1 Ended.	Osogon	Teaching Classes PSS	2 0			
16	3 <sup>RD</sup> WEEK	5	Gauss applications. Theorems of Stokes and applications	The second second second second		Teaching Classes PSS	3	Guest Lecture	1	
17	4 <sup>th</sup> WEEK	5	Stokes applications	1137: 80		Teaching Classes PSS	3	Class Room Seminor	1	
18	5 <sup>th</sup> WEEK	0	Dasara Holidays							
MON	TH: OC	OBE	R					2017-18		
19	I <sup>ST</sup> WEEK	5	Green's theorem in plane and applications			Teaching Classes PSS	3 2			
20	2 <sup>ND</sup> WEEK	5	REVISION	-		Teaching Classes PSS	3	Class Room Seminor	1	
21	3 <sup>RD</sup> WEEK		PRACTICAL EXAMINATIONS - 2017							
22	4 <sup>th</sup> WEEK		SEMESTER END EXAMINATIONS - 2017							
MON	TH: NOV	'EMB	ER					2017-18		
23	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS - 2017							
			14		- 1					

SIGNATURE OF THE DEPARTMENT I/C
N.S.V. Kiran Kumar
M.Sc., M.Phil., P.Ftl.,

M.Sc., M.Phil., 9.Ftl., Head of the Matnematics Department V.S.M. College SIGNATURE OF THE PRINCIPAL

PRÍNCIPAL, V.S.M. COLLEGE (A) RAMACHANDRAPURAM-533 255, (E.G.D.)

### VSM COLLEGE(A) :: RAMACHANDRAPURAM

### TABLE - A - CURRICULUM PLAN - LECTURER WISE

**DEPARTMENT: MATHEMATICS** 

PAPER VI: LINEAR ALGEBRA

Semester: V

CLASS: III B.Sc., (M.P.CS.)

### NAME OF THE LECTURER: N.S.V.KIRAN KUMAR

T. E. K.	WEEK	AVAILABLE			CURRICULAR ACT	/ITY	CO-CURRIC		S
SERIAL	MONTH &	HOURS AVA	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MO	NTH: JUI	NE		<u> </u>			2017-18		
1	2 <sup>ND</sup> WEEK	5	Vector Spaces, General properties of vector spaces, n- dimensional Vectors, addition and scalar multiplication of Vectors, internal and external composition, Null		Orientation Class Teaching Classes PSS	1 2 2			
2	3 <sup>RD</sup> WEEK	5	Vector subspaces, Algebra of subspaces, Linear Sum of two subspaces, linear combination of Vectors		Teaching Classes PSS	3 2			
3	4 <sup>TH</sup> WEEK	5	Linear span Linear independence and Linear dependence of Vectors.		Teaching Classes PSS	3 2			
4	5 <sup>th</sup> WEEK	4	Basis of Vector space, Finite dimensional Vector spaces		Teaching Classes PSS	2	Class Room Seminor	1	
MON	TH: JUL	Y					2017-18		
5	1 <sup>ST</sup> WEEK		Basis extension, co-ordinates, Dimension of a Vector space, Dimension of a subspace		Teaching Classes PSS	2 2	Guest Lecture	1	
6	2 <sup>ND</sup> WEEK	5	Quotient space and Dimension of Quotient space		Teaching Classes PSS	3 2			
7	3 <sup>RD</sup> WEEK	5	Linear transformations, linear operators, Properties of L.T, sum and product of LTs		Teaching Classes PSS	3 2	0)		

8	4 <sup>TII</sup> WEEK	5	Algebra of Linear Operators, Range and null space of linear transformation	Teaching C		3 1	Class Room Seminor	1	
MON	NTH: AU	GUST	E	·			2017-18		•
9	1 <sup>ST</sup> WEEK	3	I MID Exams	Teaching 0 PSS		2			
10	2 <sup>ND</sup> WEEK	5	Rank and Nullity of linear transformations – Rank – Nullity Theorem.	Teaching C		3 2			
11	3 <sup>RD</sup> WEEK	4	Matrices, Elementary Properties of Matrices, Inverse Matrices, Rank of Matrix	Teaching C PSS		3			
12	4 <sup>TH</sup> WEEK	5	Linear Equations, Characteristic Roots, Characteristic Values & Vectors of square Matrix	Teaching C PSS		3 2	•		
13	5 <sup>th</sup> WEEK	4	Cayley – Hamilton Theorem and problems	Teaching C PSS		2	Class Room Seminor	1	
MON	TH: SEP	ТЕМІ	BER				2017-18		
14	l <sup>ST</sup> WEEK	1	Inner product spaces	PSS		1			
15	2 <sup>ND</sup> WEEK	2	II Mid Exams Euclidean and unitary spaces, Norm or length of a Vector	Teaching C PSS	lasses	1 0	Guest Lecture	1	
16	3 <sup>RD</sup> WEEK	- N I	Schwartz inequality, Triangle in Inequality, Parallelogram law	Teaching C PSS	lasses	3 2			
17	4 <sup>th</sup> WEEK	5	Orthogonality, Orthonormal set	Teaching C	lasses	3	Class Room Seminor	1	
18	5 <sup>th</sup> WEEK	0	Dasara Holidays						

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MON	NTH: OC	ТОВЕ	CR			2017-18		
19	1 <sup>ST</sup> WEEK	5	Complete orthonormal set, Gram – Schmidt orthogonalisation process. Bessel's inequality and Parseval's Identity	Teaching Classes PSS	3 2			
20	2 <sup>ND</sup> WEEK	5	REVISION	Teaching Classes PSS	3	Class Room Seminor	1	
21	3 <sup>RD</sup> WEEK		PRACTICAL EXAMINATIONS - 2017					
22	4 <sup>th</sup> WEEK		SEMESTER END EXAMINATIONS - 2017				-	
MON	TH: NO	VEMB	ER			2017-18		
23	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS - 2017					

N.S.V. Kiran Kumar M.Sc., M.F. int., B.Ed., Head of the mathematics Department BIGNATURE OF THE DEPARTMENT DE

N.S.V. Kiran Kumar M.Sc., M.Phil., B.Ed., Head of the Mathematics Department V.S.M. College RAMACHANDRAPURAM-533 255 SIGNATURE OF THE PRINCIPAL

### VSM COLLEGE(A) :: RAMACHANDRAPURAM

### TABLE - A - CURRICULUM PLAN - LECTURER WISE

**DEPARTMENT: MATHEMATICS** 

PAPER VII(B): NUMERICAL ANALYSIS

Semester: VI

CLASS: III B.Sc., (M.P.Cs. & M.P.C)

NAME OF THE LECTURER: N.S.V.KIRAN KUMAR

<b>-</b>	생	īц			CURRICULAR ACT	/ITY	CO-CURRIC	ULAR	
SERIAL NUMBER	MONTH WEEK	HOURS	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MON	TH: NO	OVEM	IBER	<u> </u>	20	17-18	<u>.</u>		$\Box$
1	2 <sup>nd</sup> WEEK	3	Errors and their Accuracy, Mathematical Preliminaries,		Teaching Classes PSS	2			
2	3 <sup>rd</sup> WEEK	5	Mathematical Preliminaries, Errors and their Analysis, Absolute, Relative and Percentage Errors		Teaching Classes PSS	3 2			
3	4 <sup>th</sup> WEEK	5	A general error formula, Error in a series approximation.		Teaching Classes PSS	3 2			
4	5 <sup>th</sup> WEEK	4	The bisection method, The iteration method	· ·	Teaching Classes PSS	2	Class Room Seminor	1	
MON	TH: DE	CEM	BER	· · · · · · · · · · · · · · · · · · ·	201	7-18	·		$\neg \uparrow$
5	1 <sup>ST</sup> WEEK	I	The method of false position, Newton Raphson method		Teaching Classes PSS	1 0			
6	2 <sup>ND</sup> WEEK	5	Generalized Newton Raphson method. Muller's Method		Teaching Classes PSS	3 2			
7	3 <sup>RD</sup> WEEK	י ר	your own styles, properties and values in styles, style sheet		Teaching Classes PSS	3 2			
8	4 <sup>TH</sup> WEEK	2	I Mid Exams		Teaching Classes PSS	1	QUIZ		
9	5 <sup>th</sup> WEEK		Errors in polynomial interpolation, Finite Differences, Forward differences, Backward differences		Teaching Classes PSS	2	Class Room Seminor	1	
MON	TH: JA	NUAR	RY		201	7-18			
10	I <sup>ST</sup> WEEK	.)	Introduction to JavaScript: What is DHTML, JavaScript, basics,		Teaching Classes PSS	3 2			

<b></b>	2 <sup>ND</sup>			Teaching Classes	3			
11	WEEK	4	Central Differences, Symbolic relations	PSS	_1_			
12	3 <sup>RD</sup> WEEK	0	PONGAL HOLIDAYS					
13	4 <sup>TH</sup> WEEK	5	Detection of errors by use of Differences Tables, Differences of a polynomial.	Teaching Classes PSS	3 2			
14	5 <sup>th</sup> WEEK	3	Newton's formulae for interpolation	Teaching Classes PSS	2 0	Class Room Seminor	1	
MON	NTH: FE	BRU	ARY	20:	17-18			
15	I <sup>ST</sup> WEEK	3	Central Difference Interpolation Formulae, Gauss's central difference formulae	Teaching Classes PSS	2			
16	2 <sup>ND</sup> WEEK	2	II Mid Exams	Teaching Classes PSS	1			
17	3 <sup>RD</sup> WEEK	5	Stirling's central difference formula, Bessel's Formula, Everett's Formula	Teaching Classes PSS	3 2			
18	4 <sup>th</sup> WEEK	5	Interpolation with unevenly spaced points, Lagrange's formula, Error in Lagrange's formula	Teaching Classes PSS	3 2			
19	5 <sup>th</sup> WEEK	3	Divided differences and their properties, Relation between divided differences and forward differences, Relation between divided differences and backward differences	Teaching Classes PSS	2 0	Class Room Seminor	1	
MON	NTH: MA	ARCH		201	7-18			
20	l <sup>ST</sup> WEEK	2	Relation between divided differences and central differences, Newton's general interpolation Formula, Inverse interpolation	Teaching Classes PSS	1	Study Project		
21	2 <sup>ND</sup> WEEK	5	REVISION	Teaching Classes PSS	3 2	Book Reviews		
22	3 <sup>RD</sup> WEEK	5	REVISION	Teaching Classes PSS	3	Class Room Seminor	1	

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23	4 <sup>th</sup> WEEK		SEMESTER END EXAMINATIONS - 2018			
MOI	NTH: AP	RIL		 2017-18		
24	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS - 2018			
25	2 <sup>ND</sup> WEEK		PRACTICAL EXAMINATIONS - 2018			

XTURE OF THE LECTURER

SIGNATURE OF THE DEPARTMENT I/C

SIGNATURE OF THE PRINCIPAL

M.S.V. Kiran Kumar M.Sc., M. Phil., B.Ed., Head of the Marke Parks Department

PRINCIPAL, V.G.N. GOLLEGE (A) BAMACHANDRAPURAM-533 255, (E.G.Dt.)

## TABLE - A - CURRICULUM PLAN - LECTURER WISE

**DEPARTMENT: MATHEMATICS** 

PAPER V: RING THEORY AND VECTOR CALCULUS

Semester: V

CLASS: III B.Sc., (M.P.Cs. & M.P.C.)

NAME OF THE LECTURER: G.N.UMA MAHESWARI

NAME OF THE LECTURER : G.N.UMA MAHESWARI									
IAL	H &	AILABLE		ADDITIONAL INDUTE	CURRICULAR ACT	VITY	CO-CURRIC		KS
SERIAL	MONTH WEEK	HOURS AVAILABLE	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MONTH: JUNE 2017-18									-
1	2 <sup>ND</sup> WEEK	5	Definition of Ring and basic properties, Boolean Rings, divisors of zero and cancellation laws, Rings, Integral Domains		Orientation Class Teaching Classes PSS	1 2 2			
2	3 <sup>RD</sup> WEEK	5	Division Ring and Fields, The characteristic of a ring. The characteristic of an Integral Domain.		Teaching Classes PSS	3 2			
3	4 <sup>TH</sup> WEEK	5	The characteristic of a Field. Sub Rings, Ideals.		Teaching Classes PSS	3 2			
4	5 <sup>th</sup> WEEK	4	Definition of Homomorphism – Homomorphic Image – Elementary Properties of Homomorphism		Teaching Classes PSS	2	Class Room Seminor	1	
MON	TH: JUL	Y					2017-18		
5	NEEK	5	Kernel of a Homomorphism – Fundamental theorem of Homomorphism		Teaching Classes PSS	3 2	281		
6	2 <sup>ND</sup> WEEK	5	Maximal Ideals – Prime Ideals		Teaching Classes PSS	3 2			
7	3 <sup>RD</sup> WEEK	5	Vector Differentiation, Ordinary derivatives of vectors		Teaching Classes PSS	3 2			
8	4 <sup>TH</sup> WEEK		Differentiability, Gradient, Divergence,		Teaching Classes PSS	3	Class Room Seminor	1	
MON	TH: AUC	UST					2017-18	!	
9	I <sup>ST</sup> WEEK	3	I Mid Exams Curl operators,		Teaching Classes PSS	2			

	I -ND							
10	2 <sup>ND</sup> WEEK	5	Formulae Involving these operators	Teaching Classes PSS	3			
11	3 <sup>RD</sup> WEEK	4	Line Integral	Teaching Classes PSS	3			
12	4 <sup>TH</sup> WEEK	5	Surface Integral	Teaching Classes PSS	3 2			
13	5 <sup>th</sup> WEEK	4	Volume integral with examples	Teaching Classes PSS	2	Class Room Seminor	1	
MOI	NTH: SEI	TEMI	BER			2017-18		
14	1 <sup>ST</sup> WEEK	1	Theorem of Gauss	PSS	1			
15	2 <sup>ND</sup> WEEK	2	II Mid Exams Gauss applications	Teaching Classes PSS	2 0			
16	3 <sup>RD</sup> WEEK	5	Gauss applications. Theorems of Stokes and applications	Teaching Classes PSS	3	Guest Lecture	1	
17	4 <sup>th</sup> WEEK	5	Stokes applications	Teaching Classes PSS	3	Class Room Seminor	1	
18	5 <sup>th</sup> WEEK	0	Dasara Holidays					
MON	TH: OC	OBE	3	•		2017-18		
19	l <sup>ST</sup> WEEK	5	Green's theorem in plane and applications	Teaching Classes PSS	3 2			
20	2 <sup>ND</sup> WEEK	5	REVISION	Teaching Classes PSS	3 1	Class Room Seminor	1	
21	3 <sup>RD</sup> WEEK		PRACTICAL EXAMINATIONS - 2017					
22	4 <sup>th</sup> WEEK		SEMESTER END EXAMINATIONS - 2017					
MON	TH: NOV	EMBI	ER			2017-18		
23	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS - 2017			<u> </u>		

G.N. O. Mahin SIGNATURE OF THE LECTURER N.S.V. Kiran Kumar M.Sc., M.Phil., B.Ed., Head of the Mathematics Department Malage RESENTURE OF THE DEPARTMENT I'C M.Sc., M.Phil., B.Ed.,

M.Sc., M.Phit., B.Ed.,
Head of the Mathematics Department
V.S.M. College

RAMACHANDRAPURAN 333 255 IN THE

### TABLE - A - CURRICULUM PLAN - LECTURER WISE

**DEPARTMENT: MATHEMATICS** 

PAPER VI: LINEAR ALGEBRA

Semester: V

CLASS: III B.Sc., (M.P.CS.)

## NAME OF THE LECTURER: G.N.UMA MAHESWARI

1 2	WEEK	AVAILABLE			CURRICULAR ACT	CURRICULAR ACTVITY		ULAR TY	tKS
SERIAL	MONTH &	HOURS AVA	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	ACTIVITY	HOURS	АСТІИІТУ	HOURS	REMARKS
MO	NTH: JUI	NE					2017-18		
1	2 <sup>ND</sup> WEEK	5	Vector Spaces, General properties of vector spaces, n- dimensional Vectors, addition and scalar multiplication of Vectors, internal and external composition, Null		Orientation Class Teaching Classes PSS	1 2 2			
2	3 <sup>RD</sup> WEEK	5	Vector subspaces, Algebra of subspaces, Linear Sum of two subspaces, linear combination of Vectors		Teaching Classes PSS	3 2			
3	4 <sup>TH</sup> WEEK	5	Linear span Linear independence and Linear dependence of Vectors.		Teaching Classes PSS	3 2			
4	5 <sup>th</sup> WEEK	4	Basis of Vector space, Finite dimensional Vector spaces		Teaching Classes PSS	2	Class Room Seminor	1	
MON	TH: JUL	Y					2017-18	!	
5	l <sup>ST</sup> WEEK	5	Basis extension, co-ordinates, Dimension of a Vector space, Dimension of a subspace		Teaching Classes PSS	2 2	Guest Lecture	1	
6	2 <sup>ND</sup> WEEK	5	Quotient space and Dimension of Quotient space		Teaching Classes PSS	3 2			
7	3 <sup>RD</sup> WEEK	5	Linear transformations, linear operators, Properties of L.T, sum and product of LTs		Teaching Classes PSS	3 2			

8	4 <sup>TH</sup> WEEK	5	Algebra of Linear Operators, Range and null space of linear transformation		Teaching Classes	3 1	Class Room Seminor	1	
мог	NTH: AU	GUST	•		,		2017-18		-
9	1 <sup>ST</sup> WEEK	3	I MID Exams		Teaching Classes PSS	2			
10	2 <sup>ND</sup> WEEK	5	Rank and Nullity of linear transformations – Rank – Nullity Theorem.	22	Teaching Classes PSS	3 2			
11	3 <sup>RD</sup> WEEK	4	Matrices, Elementary Properties of Matrices, Inverse Matrices, Rank of Matrix		Teaching Classes PSS	3			
12	4 <sup>TH</sup> WEEK	5	Linear Equations, Characteristic Roots, Characteristic Values & Vectors of square Matrix		Teaching Classes PSS	3 2			
13	5 <sup>th</sup> WEEK	4	Cayley – Hamilton Theorem and problems		Teaching Classes PSS	2	Class Room Seminor	1	
MON	TH: SEP	ТЕМІ	BER				2017-18		
14	I <sup>ST</sup> WEEK	1	Inner product spaces		PSS	1			
15	2 <sup>ND</sup> WEEK	2	II Mid Exams Euclidean and unitary spaces, Norm or length of a Vector		Teaching Classes PSS	1	Guest Lecture	1	
16	3 <sup>RD</sup> WEEK		Schwartz inequality, Triangle in Inequality, Parallelogram law		Teaching Classes PSS	3 2			
17	4 <sup>th</sup> WEEK	5	Orthogonality, Orthonormal set		Teaching Classes PSS	3	Class Room Seminor	1	
18	5 <sup>th</sup> WEEK	0	Dasara Holidays						

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MOI	NTH: OC	тові	ER			2017-18		
19	1 <sup>ST</sup> WEEK	5	Complete orthonormal set, Gram – Schmidt orthogonalisation process. Bessel's inequality and Parseval's Identity	Teaching Classes PSS	3 2			
20	2 <sup>ND</sup> WEEK	5	REVISION	Teaching Classes PSS	3	Class Room Seminor	1	
21	3 <sup>RD</sup> WEEK		PRACTICAL EXAMINATIONS - 2017					
22	4 <sup>th</sup> WEEK		SEMESTER END EXAMINATIONS - 2017					
MON	TH: NO	<b>VEME</b>	ER			2017-18		
23	I <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS - 2017					

GN V. Mahin SIGNATURE OF THE LECTURER

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Phil., B.Ed.,

Head of the Mathematics Department V.S.M. College RAMACHANDRAPURAM-533 255

SIGNATURE OF THE PRINCIPAL

PRINCIPAL, V.S.M. COLLEGE (A)

AMACHANDRAPURAM-533 255, (E.G.Dt.)

# TABLE - A - CURRICULUM PLAN - LECTURER WISE

**DEPARTMENT: MATHEMATICS** 

PAPER VII(B): NUMERICAL ANALYSIS

Semester: VI

CLASS: III B.Sc., (M.P.Cs. & M.P.C)

#### NAME OF THE LECTURER: G.N.UMA MAHESWARI

	h)t	7-1	NAME OF THE LECTURER	- GIAGOII A INTAILE	CURRICULAR ACTVITY CO-CURRICULAR					
SERIAL	MONTH &	HOURS	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS ALLOTTED	REMARKS	
MOI	TH: NO	OVEN	IBER		20	17-18			<del>'                                    </del>	
1	2 <sup>nd</sup> WEEK	3	Errors and their Accuracy, Mathematical Preliminaries,		Teaching Classes PSS	2				
2	3 <sup>rd</sup> WEEK	5	Mathematical Preliminaries, Errors and their Analysis, Absolute, Relative and Percentage Errors		Teaching Classes PSS	3 2				
3	4 th WEEK	5	A general error formula, Error in a series approximation.		Teaching Classes PSS	3 2				
4	5 <sup>th</sup> WEEK		The bisection method, The iteration method		Teaching Classes PSS	2	Class Room Seminor	1		
MON	TH: DE	CEM	BER		201	7-18	l		$\neg \neg$	
5	1 <sup>ST</sup> WEEK	ī	The method of false position, Newton Raphson method		Teaching Classes PSS	1				
6	2 <sup>ND</sup> WEEK	5+	Generalized Newton Raphson method. Muller's Method		Teaching Classes PSS	3 2				
7	3 <sup>RD</sup> WEEK		your own styles, properties and values in styles, style sheet		Teaching Classes PSS	3 2				
8	4 <sup>TH</sup> WEEK	2	I Mid Exams		Teaching Classes PSS	1 0	QUIZ			
9	5 <sup>th</sup> WEEK		Errors in polynomial interpolation, Finite Differences, Forward differences, Backward differences		Teaching Classes PSS	2	Class Room Seminor	1		
MON	TH: JAI	NUAR	RY		201	7-18				
10	I <sup>ST</sup> WEEK	- J   L	Introduction to JavaScript: What is DHTML, JavaScript, basics,		Teaching Classes PSS	3 2				

11	2 <sup>ND</sup> WEEK	4	Central Differences, Symbolic relations	Teaching Classes	3			<del>                                     </del>
12	3 <sup>RD</sup> WEEK	0	PONGAL HOLIDAYS					
13	4 <sup>TH</sup> WEEK	5	Detection of errors by use of Differences Tables, Differences of a polynomial.	Teaching Classes PSS	3 2			
14	5 <sup>th</sup> WEEK	3	Newton's formulae for interpolation	Teaching Classes PSS	2 0	Class Room Seminor	1	
МО	NTH: FE	BRU.	ARY	20	17-18		<u>.                                    </u>	-
15	1 <sup>ST</sup> WEEK	3	Central Difference Interpolation Formulae, Gauss's central difference formulae	Teaching Classes PSS	2			
16	2 <sup>ND</sup> WEEK	2	II Mid Exams	Teaching Classes PSS	1			
17	3 <sup>RD</sup> WEEK		Stirling's central difference formula, Bessel's Formula, Everett's Formula	Teaching Classes PSS	3 2			
18	4 <sup>th</sup> WEEK	5	Interpolation with unevenly spaced points, Lagrange's formula, Error in Lagrange's formula	Teaching Classes PSS	3 2			
19	5 <sup>th</sup> WEEK	3	Divided differences and their properties, Relation between divided differences and forward differences, Relation between divided differences and backward differences	Teaching Classes PSS	2	Class Room Seminor	1	
MOI	NTH: MA	RCH		201	7-18			
20	1 <sup>ST</sup> WEEK	2	Relation between divided differences and central differences, Newton's general interpolation Formula, Inverse interpolation	Teaching Classes PSS	1	Study Project	·	
21	2 <sup>ND</sup> WEEK	5	REVISION	Teaching Classes PSS	3 2	Book Reviews		
22	3 <sup>RD</sup> WEEK	5	REVISION	Teaching Classes PSS	3	Class Room Seminor	1	

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23	4 <sup>th</sup> WEEK	SEMESTER END EXAMINATIONS - 2018					
MO	NTH: APR	IL		<u> </u>	2017-18		-
24	I <sup>ST</sup> WEEK	SEMESTER END EXAMINATIONS - 2018	200				
25	2 <sup>ND</sup> WEEK	PRACTICAL EXAMINATIONS - 2018	The state of				$\neg$

SIGNATURE OF THE DEPARTMENT I/C

Head of the Mathematics Department V.S.M. College RAMACHANDRAFURAM-533-255

SIGNATURE OF THE PRINCIPAL

24/am 03/3/18

## TABLE - A - CURRICULUM PLAN - LECTURER WISE

**DEPARTMENT: MATHEMATICS** 

PAPER III: ABSTRACT ALGEBRA

Semester: III

CLASS: II B.Sc., (M.P.Cs. & M.P.C.)

### NAME OF THE LECTURER: N.L.N.MALLIKA

- 22	88	. 9			CURRICULAR ACT	VITY	CO-CURRIC		
SERIAL NUMBER		HOURS	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MOI	TH: JU	NE _					2017-1	8	-
1	2 <sup>ND</sup> WEEK		Binary Operation – Algebraic structure – semi group – monoid – Group definition		Orientation Class Teaching Classes PSS	1 3 1			
2	3 <sup>RD</sup> WEEK	6	Problems solved on Group definition		Teaching Classes PSS	4 2			
3	4 <sup>TH</sup> WEEK	0 1	elementary properties Finite and Infinite groups – examples		Teaching Classes PSS	4 2			
4	5 <sup>TH</sup> WEEK		order of a group. Composition tables with examples		Teaching Classes PSS	3 0	Class Room Seminor	1	
MON	TH: JUL	Y					2017-1	8	
5	l <sup>st</sup> WEEK		Union and Intersection of subgroups.Cosets Definition – properties of Cosets		Teaching Classes PSS	4 2			
6	2 <sup>ND</sup> WEEK		Index of subgroups of a finite groups—Lagrange's Theorem.		Teaching Classes PSS	4 2			
7	3 <sup>RD</sup> WEEK	6	Definition of normal subgroup – proper and improper normal subgroup—Hamilton group – criterion for a subgroup to be a normal subgroup		Teaching Classes PSS	4 2			

	T							
8	4 <sup>TH</sup> WEEK	6	Intersection of two normal subgroups – Sub group of index 2 is a normal sub group	Teaching Classes PSS	4	Class Room Seminor	1	
МО	NTH: AU	GUST				2017-	18	
9	l <sup>ST</sup> WEEK	5	I MID Exams. Simple group – quotient group – criteria for the existence of a quotient group.	Teaching Classes PSS	3 2			
10	2 <sup>ND</sup> WEEK	5	Definition of homomorphism – Image of homomorphism elementary properties of homomorphism	Teaching Classes PSS	4			
11	3 <sup>RD</sup> WEEK	4	Isomorphism – automorphism definitions and elementary properties–kernel of a homomorphism	Teaching Classes PSS	2			
12	4 <sup>TH</sup> WEEK	5	fundamental theorem on Homomorphism and applications.	Teaching Classes PSS	3 2			
13	5 <sup>th</sup> WEEK	4	Definition of permutation – permutation multiplication	Teaching Classes PSS	3	Class Room Seminor	1	
MON	TH: SEP	TEMI	BER			2017-	L 18	
14	l <sup>ST</sup> WEEK	1	Problems Solving Session	PSS	1			
15	2 <sup>ND</sup> WEEK		II MID Exams. Inverse of a permutation – cyclic permutations – transposition	Teaching Classes PSS	1			
16	3 <sup>RD</sup> WEEK	6	Even and odd permutations – Cayley's theorem	Teaching Classes PSS	4 2			
17	4 <sup>th</sup> WEEK	6	Problems Solved	PSS	5	Class Room Seminor	1	

18	5 <sup>TH</sup> WEEK		DASARA HOLIDAYS					
MON	VTH: OC	TOBE	R			2017-1	8	
19	l <sup>ST</sup> WEEK	5	Definition of cyclic group – elementary properties	Teaching Classes PSS	3 2		0	
20	2 <sup>ND</sup> WEEK	5	classification of cyclic groups	Teaching Classes PSS	3	Class Room Seminor	1	
21	3 <sup>RD</sup> WEEK		PRACTICAL EXAMINATIONS - 2017					
22	4 <sup>th</sup> WEEK		SEMESTER END EXAMINATIONS-2017		-			
MON	TH: NO	VEME	R			2017-1	8	
23	l <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2017				··	

N.S.V. Kiran Kumar M.Sc., M.Phil., B.Ed.,

M.Sc., M.Phil, B.Ed., Head of the Mathematics Department

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SIGNATURE OF THE LECTURER

## TABLE - A - CURRICULUM PLAN - LECTURER WISE

**DEPARTMENT: MATHEMATICS** 

PAPER IV: REAL ANALYSIS

Semester: IV

CLASS: II B.Sc., (M.P.Cs. & M.P.C.)

### NAME OF THE LECTURER: N.L.N.MALIKA

ے د	બ્ર	I.E.			CURRICULAR ACT	VITY	CO-CURRIO	ULAR	
SERIAL	MONTH WEEK	HOURS	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	ACTIVITY	HOURS	ACTIVITY	HOURS	REMARKS
MOI	IONTH: NOVEMBER 2017-18								
1	1 <sup>ST</sup> WEEK	3	The algebraic and order properties of R, Absolute value and Real line,		Teaching Classes PSS	2			
2	2 <sup>ND</sup> WEEK	6	Completeness property of R, Applications of supreme property; intervals. No. Question is to be set from this portion. Sequences and their limits, Range and Boundedness of Sequences		Teaching Classes PSS	4 2			
3	4 <sup>TH</sup> WEEK	6	Limit of a sequence and Convergent sequence. The Cauchy's criterion, properly divergent sequences		Teaching Classes PSS	4 2			
4	5 <sup>th</sup> WEEK	4	Monotone sequences, Necessary and Sufficient condition for Convergence of Monotone Sequence, Limit Point of Sequence, Subsequences and the Bolzanoweierstrass theorem – Cauchy Sequences – Cauchey's general principle of convergence theorem.		Teaching Classes PSS	2	Class Room Seminor	1	
MON	TH: DEC	ЕМВ	ER				2017	-18	
5	l <sup>ST</sup> WEEK	1	Introduction to series, convergence of series. Cauchey's general principle of convergence for series tests for convergence of series, Series of Non-Negative Terms.		Teaching Classes PSS	0			
6	2 <sup>ND</sup> WEEK		P-test 2. Cauchy's n <sup>th</sup> root test or Root Test.     D'Alemberts' Test or Ratio Test.		Teaching Classes PSS	3 2		v	

7	3 <sup>RD</sup> WEEK	6	4. Alternating Series . Leibnitz Test. Absolute convergence and conditional convergence, semi convergenceLimits:	Teaching Classes	s 4 2	QUIZ		
8	4 <sup>TH</sup> WEEK	3	I MID Exams Real valued Functions, Boundedness of a function, Limits of functions. Some extensions of the limit concept,	Teaching Classes	2 1			
9	5 <sup>th</sup> WEEK	4	Limits of functions. Some extensions of the limit concept,	Teaching Classes	2 1	Class Room Seminor	1	
MON	NTH: JAN	NUAR	Y			2017-	18	
10	l <sup>st</sup> WEEK	6	Infinite Limits. Limits at infinity. No. Question is to be set from this portion Continuous functions:  Continuous functions, Combinations of continuous functions,	Teaching Classes PSS	4 2			
11	2 <sup>ND</sup> WEEK	4	Continuous Functions on intervals,	Teaching Classes PSS	2 2			
12	3 <sup>RD</sup> WEEK	0	PONGAL HOLIDAYS					
13	4 <sup>TH</sup> WEEK	5	Uniform continuity.	Teaching Classes PSS	3 2			
14	5 <sup>th</sup> WEEK		The derivability of a function, on an interval, at a point, Derivability and continuity of a function, Graphical meaning of the Derivative,	Teaching Classes PSS	1 1	Class Room Seminor	1	
MON	TH: FEE	BRUA	RY			2017-1	8	
15	l <sup>ST</sup> WEEK	3	Mean value Theorems; Role's Theorem,	Teaching Classes PSS	2			

16	2 <sup>ND</sup> WEEK	2	II Mid Exams		PSS	2			
17	3 <sup>RD</sup> WEEK	5	Lagrange's Theorem, Cauchy's Cauchy's Mean value Theorem		Teaching Classes PSS	3 2			
18	4 <sup>th</sup> WEEK	6	Riemann Integral, Riemann integral functions, Darboux theorem. Necessary and sufficient condition for R – integrability,		Teaching Classes PSS	4 2			
19	5 <sup>th</sup> WEEK	3	Properties of integrable functions		Teaching Classes PSS	1	Class Room Seminor	1	
MON	TH: MA	RCH					2017-18	3	
20	l <sup>ST</sup> WEEK	2	Properties of integrable functions	Computer System with LCD Projector / Black Board	Teaching Classes	1	Study Project		
21	2 <sup>ND</sup> WEEK	5	Fundamental theorem of integral calculus	Computer System with LCD Projector / Black Board	Teaching Classes	3 2	Book Reviews	_	
22	3 <sup>RD</sup> WEEK	6	Integral as the limit of a sum, Mean value Theorems.	Computer System with LCD Projector / Black Board	Teaching Classes PSS	4	Class Room Seminor	1	
23	4 <sup>th</sup> WEEK		SEMESTER END EXAMINATIONS - 2018					_	$\neg$
MON	TH: APR	IL						,	$\neg$
24	l <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS - 2018						
25	2 <sup>ND</sup> WEEK		PRACTICAL EXAMINATIONS - 2018						

Head of the Matter Service Signature of the Department of the Department of the Department of the Mathematics Head of the Math

SIGNATURE OF THE PRINCIPAL

#### TABLE - A - CURRICULUM PLAN - LECTURER WISE

**DEPARTMENT: MATHEMATICS** 

**PAPER I: DIFFERENTIAL EQUATIONS** 

Semester: I CI

CLASS: I B.Sc., (M.P.Cs. & M.P.C)

Name of the Lecturer: D.S.V.HARIKA

	WEEK	AVAILABLE			CURRICULAR ACT	/ITY	CO-CURRIC		KS
SERIAL NUMBER	MONTH &	HOURS AVAI	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	ACTIVITY	HOURS ALLOTTED	ACTIVITY	HOURS	REMARKS
MON	TH: JUI	NE - 20	017						
1	4 <sup>TII</sup> WEEK	6	Orientation Class, Differential Equations Reducible to Linear Form		Orientation Class Teaching Classes PSS	2 2 2			
2	STII WEEK		Exact Differential Equations, Integrating Factors		Teaching Classes PSS	2	Class Room Seminor	1	
MONTH: JULY - 2017									
3	l <sup>ST</sup> WEEK	6	Integrating Factors, Change of Variables		Teaching Classes PSS	4 2			
4	2 <sup>ND</sup> WEEK	6	Orthogonal Trajectories		Teaching Classes PSS	4 2			
5	3 <sup>RD</sup> WEEK	6	Equations solvable for p, Equations solvable for x		Teaching Classes PSS	4 2			
6	4 <sup>TH</sup> WEEK	6	Equations solvable for y, Equations that do not contain x (or y), Equations of the first degree in x and y – Clairaut's Equation		Teaching Classes PSS	4	Class Room Seminor	1	

МО	MONTH: AUGUST - 2017									
7	l <sup>ST</sup> WEEK	3	I MID Exams	Teaching Classes PSS	2					
8	2 <sup>ND</sup> WEEK	5	Solution of homogeneous linear differential equations of order n with constant coefficients	Teaching Classes	4					
9	3 <sup>RD</sup> WEEK	4	Solution of the non-homogeneous linear differential equations with constant coefficients by means of polynomial operators. P.I. of f(D)y = Q where Q is exponential function	Teaching Classes PSS	3					
10	4 <sup>TH</sup> WEEK	5	P.I. of $f(D)y = Q$ when Q is b sin ax or b cos ax. General Solution of $f(D)y=Q$ when Q is a function of x.	Teaching Classes PSS	3 2					
11	5 <sup>th</sup> WEEK	4	P.I. of $f(D)y = Q$ when $Q = bx^k$ , P.I. of $f(D)y = Q$ when $Q = e^{ax}V$	Teaching Classes PSS	3	Class Room Seminor	1			
MON	TH: SEP	темі	BER - 2017							
12	l <sup>ST</sup> WEEK	1	Problems Solving Session	Teaching Classes PSS	1 0					
13	2 <sup>ND</sup> WEEK	7 1	II MID Exams P.I. of f(D)y = Q when Q= xV,	Teaching Classes PSS	1					
14	3 <sup>RD</sup> WEEK	6	P.I. of $f(D)y = Q$ when $Q = xmV$	Teaching Classes PSS	4 2					

15	4 <sup>th</sup> WEEK	6	Method of variation of parameters	Teaching Classes PSS	4 1	Class Room Seminor	1	
16	5 <sup>th</sup> WEEK		Dasara Holidays		28	90		
MOI	NTH: OC	ГОВЕ	R - 2017					·
17	1 <sup>ST</sup> WEEK	5	Linear differential equations with non-constant coefficients	Teaching Classes PSS	3 2			:
18	2 <sup>ND</sup> WEEK	5	The Cauchy-Euler equation	Teaching Classes PSS	4 1			
19	3 <sup>RD</sup> WEEK	5	Revision	PSS	4	Class Room Seminor	1	
20	4 <sup>th</sup> WEEK		SEMESTER END EXAMINATIONS - 2017		_			
MON	TH: NO	/EMB	ER - 2017					
21	l <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS - 2017	×				
22	2 <sup>ND</sup> WEEK		PRACTICAL EXAMINATIONS - 2017				i	

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# TABLE - A - CURRICULUM PLAN - LECTURER WISE

**DEPARTMENT: MATHEMATICS** 

PAPER II :SOLID GEOMETRY

Semester: II

CLASS: I B.Sc., (M.P.Cs. & M.P.C.)

#### NAME OF THE LECTURER: D.S.V.HARIKA

	Se	HE	NAME OF THE LECTO		CURRICULAR ACTV	UTV	CO-CURRIC	ULAR	
4 8	`	ILAB			CORRIGOLAR ACT		ACTIVIT		S S
SERIAL NUMBER	MONTH WEEK	HOURS AVAILABLE	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	<u> </u>	HOURS	/ITY	HOURS	REMARKS
" Z	MOM	OUR			ACTIVITY	HOURS	ACTIVITY	HOURS	<del>2</del>
MO	II NTH: NO		IRER			<u>₹</u> 17-18	_	A.	
1	1 3 <sup>RD</sup> 6 Equation of a plane in terms of its intercepts on the axis, Teaching Classes 4								
1	WEEK	6	Equation of the plane through the given points		PSS	2			
2	4 <sup>™</sup>	6	Length of the perpendicular from a given point to a		Teaching Classes	4			
	WEEK		given plane, Bisectors of angles between two planes		PSS	2			
3	5 <sup>th</sup>	4	Combined equation of two planes, Orthogonal		Teaching Classes	2	Class Room	_	
	WEEK	7	projection on a plane		PSS	1	Seminor	1	
MON	TH: DE	CEM	BER		201	7-18			
4	I <sup>ST</sup> WEEK	1	Equation of a line, Angle between a line and a plane		Teaching Classes PSS	0			
5	2 <sup>ND</sup>	5	The condition that a given line may lie in a given plane,	1977	Teaching Classes	3			
Ľ	WEEK		The condition that two given lines are coplanar	10	PSS	2		[	
6	3 <sup>RD</sup>	6	Number of arbitrary constants in the equations of a straight	23	Teaching Classes	4	QUIZ		
Н	WEEK ATH		line, Sets of conditions which determine a line,		PSS	2			
7	WEEK	3	I MID Exams. The shortest distance between two lines		Teaching Classes PSS	2 1			
	5 <sup>th</sup>		The length and equations of the line of shortest distance		Teaching Classes	2	Class Room		
8	WEEK	4	between two straight lines	A	PSS	1	Seminor	1	
MON	MONTH: JANUARY 2017-18								
9	1 <sup>ST</sup>	6	Length of the perpendicular from a given point to a	Add-on Program	Teaching Classes	4			
	WEEK	0	given line	Add-on program Stanted [30 Day	PSS	2			

_	_	_		<u> </u>					
10	2 <sup>ND</sup> WEEK	4	Definition and equation of the sphere, Equation of the sphere through four given points, Plane sections of a sphere,		Teaching Classes	2 2			
11	3 <sup>RD</sup> WEEK	0	PONGAL HOLIDAYS				-	†	
12	4 <sup>TH</sup> WEEK	5	Intersection of two spheres, Equation of a circle, Sphere through a given circle, Intersection of a sphere and line, Power of a point		Teaching Classes	4			
13	5 <sup>th</sup> WEEK	3	Tangent plane, Plane of contact, Polar plane, Pole of a plane, Conjugate points, Conjugate planes		Teaching Classes	2 0	Class Room Seminor	1	
MO	NTH: FE	BRU.	ARY		20	17-18			
14	1 <sup>ST</sup> WEEK	3	Angle of intersection of two spheres,		Teaching Classes PSS	2			
15	2 <sup>ND</sup> WEEK	2	II Mid Exams		Teaching Classes PSS	1 1			
16	3 <sup>RD</sup> WEEK	5	Conditions for two spheres to be orthogonal, Radical plane, Coaxial system of spheres, Simplified from of the equation of two spheres.	Add-On program Enda L.	Teaching Classes PSS	3 2			
17	4 <sup>th</sup> WEEK		Definitions of a cone, vertex, guiding curve, generators, Equation of the cone with a given vertex and guiding curve, Enveloping cone of a sphere,		Teaching Classes PSS	4 2			
18	5 <sup>th</sup> WEEK		Equations of cones with vertex at origin are homogenous, Condition that the general equation of the second degree should represent a cone, Condition that a cone may have three mutually perpendicular generators,		Teaching Classes PSS	2	Class Room Seminor	1	
MON	TH: MA				201	7-18			
19	I <sup>ST</sup> WEEK		Intersection of a line and a quadric cone, Tangent lines and tangent plane at a point,		Teaching Classes PSS	2	Study Project		
20	2 <sup>ND</sup> WEEK	5	Condition that a plane may touch a cone, Reciprocal cones, Intersection of two cones with a common vertex, Right circular cone, Equation of the right circular cone with a given vertex, axis and semi-vertical angle.		Teaching Classes PSS	4	Book Reviews		

21	3 <sup>RD</sup> WEEK	6	Definition of a cylinder, Equation to the cylinder whose generators intersect a give conic and are parallel to a given line, Enveloping cylinder of a sphere, The right circular cylinder, Equation of the right circular cylinder with a given axis and radius.		Teaching Classes PSS	4	Class Room Seminor	1	
22	4 <sup>th</sup> WEEK		SEMESTER END EXAMINATIONS - 2018					_	
MON	VTH: AP	RIL			201	7-18			└─┤
23	1 <sup>ST</sup> WEEK	·	SEMESTER END EXAMINATIONS - 2018	2					
24	2 <sup>ND</sup> WEEK		PRACTICAL EXAMINATIONS - 2018					-	

SIGNATURE OF THE DEPARTMENT I/C

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#### TABLE - A - CURRICULUM PLAN - LECTURER WISE

**DEPARTMENT: MATHEMATICS** 

PAPER I: DIFFERENTIAL EQUATIONS

Semester: I

CLASS: I B.Sc., (M.P.Cs. & M.P.C)

Name of the Lecturer: V.L.SUDHAKAR

AL	WEEK	AVAILABLE			CURRICULAR ACT	VITY	CO-CURRIO ACTIVI		S	
SERIAL	MONTH &	HOURS AV	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	ACTIVITY	HOURS ALLO'TTED	ACTIVITY	HOURS	REMARKS	
MO	NTH: JUI	NE - 20	017			1.				
1	4 <sup>TH</sup> WEEK	6	Orientation Class, Differential Equations Reducible to Linear Form		Orientation Class Teaching Classes PSS	2 2 2				
2	STII WEEK	4	Exact Differential Equations, Integrating Factors		Teaching Classes PSS	2	Class Room Seminor	1		
MOI	MONTH: JULY - 2017									
3	I <sup>ST</sup> WEEK	6	Integrating Factors, Change of Variables		Teaching Classes PSS	4 2				
4	2 <sup>ND</sup> WEEK	6	Orthogonal Trajectories		Teaching Classes PSS	4 2			_	
5	3 <sup>RD</sup> WEEK	6	Equations solvable for p, Equations solvable for x		Teaching Classes PSS	4 2		<b>a</b>		
6	4 <sup>TH</sup> WEEK	6	Equations solvable for y, Equations that do not contain x (or y), Equations of the first degree in x and y – Clairaut's Equation		Teaching Classes PSS	4	Class Room Seminor	1		

МО	MONTH: AUGUST - 2017									
7	l <sup>ST</sup> WEEK	3	I MID Exams	Teaching Classes PSS	2					
8	2 <sup>ND</sup> WEEK	5	Solution of homogeneous linear differential equations of order n with constant coefficients	Teaching Classes PSS	4					
9	3 <sup>RD</sup> WEEK	4	Solution of the non-homogeneous linear differential equations with constant coefficients by means of polynomial operators. P.I. of f(D)y = Q where Q is exponential function	Teaching Classes PSS	3					
10	4 <sup>TH</sup> WEEK		P.I. of f(D)y = Q when Q is b sin ax or b cos ax. General Solution of f(D)y=Q when Q is a function of x.	Teaching Classes PSS	3					
11	5 <sup>th</sup> WEEK		P.I. of $f(D)y = Q$ when $Q = bx^k$ , P.I. of $f(D)y = Q$ when $Q = e^{ax}V$	Teaching Classes PSS	3	Class Room Seminor	1			
MON	NTH: SEP	ТЕМІ	BER - 2017							
12	l <sup>ST</sup> WEEK	1	Problems Solving Session	Teaching Classes PSS	1 0					
13	2 <sup>ND</sup> WEEK	- 7 - 1	II MID Exams P.I. of $f(D)y = Q$ when $Q = xV$ ,	Teaching Classes PSS	1 1					
14	3 <sup>RD</sup> WEEK	6	P.I. of $f(D)y = Q$ when $Q = xmV$	Teaching Classes PSS	4 2					

9 0

15	4 <sup>th</sup> WEEK	6	Method of variation of parameters	Teaching Classes PSS	4	Class Room Seminor	1	
16	5 <sup>th</sup> WEEK		Dasara Holidays					
MON	NTH: OC	ГОВЕ	R - 2017			<u> </u>		<u> </u>
17	1 <sup>ST</sup> WEEK		Linear differential equations with non-constant coefficients	Teaching Classes	3 2			
18	2 <sup>ND</sup> WEEK	5	The Cauchy-Euler equation	Teaching Classes PSS	4			
19	3 <sup>RD</sup> WEEK	5	Revision	PSS	4	Class Room Seminor	1	
20	4 <sup>th</sup> WEEK		SEMESTER END EXAMINATIONS - 2017				-	
MON	TH: NOV	'EMB	ER - 2017			<u> </u>		-
21	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS - 2017					
22	2 <sup>ND</sup> WEEK		PRACTICAL EXAMINATIONS - 2017	· ·				

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PRINCIPAL, V.S.W. COLLEGE (A)
RAMACHANDRAPURAM-533 255, (E.G.Dt.)

#### TABLE - A - CURRICULUM PLAN - LECTURER WISE

**DEPARTMENT: MATHEMATICS** 

PAPER III: ABSTRACT ALGEBRA

Semester: III

CLASS: II B.Sc., (M.P.Cs. & M.P.C.)

### NAME OF THE LECTURER: V.L.SUDHAKAR

	8	- E	u)		CURRICULAR ACT	VITY	Y CO-CURRICULAR			
SERIAL	2.	HOURS	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	ACTIVITY	HOURS ALLOTTED	ACTIVITY	HOURS	REMARKS	
MO	TH: JUN	VE				<u>!</u>	2017-1	8		
1	2 <sup>ND</sup> WEEK	5	Binary Operation – Algebraic structure – semi group – monoid – Group definition		Orientation Class Teaching Classes PSS	1 3 1			:	
2	3 <sup>RD</sup> WEEK	6	Problems solved on Group definition		Teaching Classes PSS	4 2				
3	4 <sup>TH</sup> WEEK		elementary properties Finite and Infinite groups – examples		Teaching Classes PSS	4 2				
4	5 <sup>TH</sup> WEEK		order of a group. Composition tables with examples		Teaching Classes PSS	3	Class Room Seminor	1		
MON	TH: JUL	Y					2017-1	8		
5	1 <sup>ST</sup> WEEK		Union and Intersection of subgroups.Cosets Definition – properties of Cosets		Teaching Classes PSS	4 2				
6	2 <sup>ND</sup> WEEK		Index of subgroups of a finite groups-Lagrange's Theorem.		Ţeaching Classes PSS	4 2				
7	3 <sup>RD</sup> WEEK	6	Definition of normal subgroup – proper and improper normal subgroup—Hamilton group – criterion for a subgroup to be a normal subgroup		Teaching Classes PSS	4 2				

	4 <sup>TH</sup>		Intersection of two normal subgroups – Sub group of	Teaching Class		Class Room		T
8	WEEK	6	index 2 is a normal sub group	PSS	es 4 1	Seminor	1	
МО	NTH: AU	GUST				2017-	18	1
9	l <sup>ST</sup> WEEK	5	I MID Exams. Simple group – quotient group – criteria for the existence of a quotient group.	Teaching Class PSS	es 3 2	171		
10	2 <sup>ND</sup> WEEK	5	Definition of homomorphism – Image of homomorphism elementary properties of homomorphism	Teaching Class PSS	es 4 1			
11	3 <sup>RD</sup> WEEK	4	Isomorphism – automorphism definitions and elementary properties–kernel of a homomorphism	Teaching Class PSS	es 2 2			
12	4 <sup>TH</sup> WEEK	5	fundamental theorem on Homomorphism and applications.	Teaching Class	es 3 2			
13	5 <sup>th</sup> WEEK	4	Definition of permutation – permutation multiplication	Teaching Classo PSS	es 3 0	Class Room Seminor	1	
MON	TH: SEP	TEMI	BER			2017-1	18	
14	i <sup>st</sup> WEEK	1 (23)	Problems Solving Session	PSS	1			
15	2 <sup>ND</sup> WEEK	2	II MID Exams. Inverse of a permutation – cyclic permutations – transposition	Teaching Classe PSS	es 1			
16	3 <sup>RD</sup> WEEK	6	Even and odd permutations – Cayley's theorem	Teaching Classe PSS	s 4 2			
17	4 <sup>th</sup> WEEK	6	Problems Solved	PSS	5	Class Room Seminor	1	

18	5 <sup>TH</sup> WEEK	0	DASARA HOLIDAYS					
MON	TH: OC	TOBE	R			2017-1	8	<del>'</del> -
19	I <sup>ST</sup> WEEK	5	Definition of cyclic group elementary properties	Teaching Classes PSS	3 2			
20	2 <sup>ND</sup> WEEK	5	classification of cyclic groups	Teaching Classes PSS	3	Class Room Seminor	1	
21	3 <sup>RD</sup> WEEK		PRACTICAL EXAMINATIONS - 2017					
22	4 <sup>th</sup> WEEK		SEMESTER END EXAMINATIONS-2017					
MON	TH: NOV	EME	R			2017-1	8	
23	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS-2017					

N.S.V Kierra Kurnar Head of the Mathematics Department V.S.M. College RAMACYANDRAP/FRAM-533 255 SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Phil., B.Ed. Head of the Mathematics Department V.S.M. College BAMACHANDRAPURAM-533 255 SIGNATURE OF THE PRINCIPAL

PRINCIPAL, V.S.M. COLLEGE (A) RAMACHANDRAPURAM-533 255, (E.G.Dt )

### TABLE - A - CURRICULUM PLAN - LECTURER WISE

**DEPARTMENT: MATHEMATICS** 

PAPER IV: REAL ANALYSIS

Semester: IV

CLASS: II B.Sc., (M.P.Cs. & M.P.C.)

#### NAME OF THE LECTURER: V.L.SUDHAKAR

	<b>≈</b> ₹	<u> </u>			CURRICULAR ACT	/ITY	CO-CURRIC	ULAR	.,
SERIAL	MONTH	HOURS	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	ACTIVITY	HOURS ALLOTTED	ACTIVITY	HOURS	REMARKS
MOI	NTH: NO	VEME	ER				201	7-18	
1	I <sup>ST</sup> WEEK	3	The algebraic and order properties of R, Absolute value and Real line,		Teaching Classes PSS	2			
2	2 <sup>ND</sup> WEEK		Completeness property of R, Applications of supreme property; intervals. No. Question is to be set from this portion. Sequences and their limits, Range and Boundedness of Sequences		Teaching Classes PSS	4 2			
3	4 <sup>TH</sup> WEEK		Limit of a sequence and Convergent sequence. The Cauchy's criterion, properly divergent sequences		Teaching Classes PSS	4 2			
4	5 <sup>th</sup> WEEK	4	Monotone sequences, Necessary and Sufficient condition for Convergence of Monotone Sequence, Limit Point of Sequence, Subsequences and the Bolzanoweierstrass theorem – Cauchy Sequences – Cauchey's general principle of convergence theorem.		Teaching Classes PSS	2	Class Room Seminor	1	
MON	TH: DEC	EMB	ER				2017	-18	
5	l <sup>ST</sup> WEEK	1	Introduction to series, convergence of series. Cauchey's general principle of convergence for series tests for convergence of series, Series of Non-Negative Terms.		Teaching Classes PSS	0			
6	2 <sup>ND</sup> WEEK		P-test 2. Cauchy's n <sup>th</sup> root test or Root Test.     D'Alemberts' Test or Ratio Test.		Teaching Classes PSS	3 2			

7	3 <sup>RD</sup> WEEK	6	4. Alternating Series . Leibnitz Test. Absolute convergence and conditional convergence, semi convergenceLimits:	Teaching Classes PSS	4 2	QUIZ		
8	4 <sup>TH</sup> WEEK	3	I MID Exams Real valued Functions, Boundedness of a function, Limits of functions. Some extensions of the limit concept,	Teaching Classes PSS	2			
9	5 <sup>th</sup> WEEK	4	Limits of functions. Some extensions of the limit concept,	Teaching Classes PSS	2	Class Room Seminor	1	
MON	TH: JA	NUAR	Y	<u> </u>		2017-1	8	
10	I <sup>ST</sup> WEEK	6	Infinite Limits. Limits at infinity. No. Question is to be set from this portion Continuous functions:  Continuous functions, Combinations of continuous functions,	Teaching Classes PSS	4 2			
11	2 <sup>ND</sup> WEEK	4	Continuous Functions on intervals,	Teaching Classes PSS	2 2			:
12	3 <sup>RD</sup> WEEK	0	PONGAL HOLIDAYS					
13	4 <sup>TH</sup> WEEK	5	Uniform continuity.	Teaching Classes PSS	3			
14	5 <sup>th</sup> WEEK		The derivability of a function, on an interval, at a point, Derivability and continuity of a function, Graphical meaning of the Derivative,	Teaching Classes PSS	1	Class Room Seminor	1	
MON	TH: FEI	BRUA	RY	-		2017-1	8	
15	1 <sup>ST</sup> WEEK	3	Mean value Theorems; Role's Theorem,	Teaching Classes PSS	2			

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16	2 <sup>ND</sup> WEEK	2	II Mid Exams		PSS	2			
17	3 <sup>RĐ</sup> WEEK	5	Lagrange's Theorem, Cauchy's Cauchy's Mean value Theorem		Teaching Classes PSS	3 2			
18	4 <sup>th</sup> WEEK	6	Riemann Integral, Riemann integral functions, Darboux theorem. Necessary and sufficient condition for R – integrability,		Teaching Classes PSS	4 2			
19	5 <sup>th</sup> WEEK	3	Properties of integrable functions		Teaching Classes PSS	1	Class Room Seminor	1	
MON	TH: MA	RCH					2017-18	3	
20	l <sup>ST</sup> WEEK	2	Properties of integrable functions	Computer System with LCD Projector / Black Board	Teaching Classes PSS	1	Study Project		
21	2 <sup>ND</sup> WEEK	5	Fundamental theorem of integral calculus	Computer System with LCD Projector / Black Board	Teaching Classes PSS	3 2	Book Reviews		
22	3 <sup>RD</sup> WEEK	6	Integral as the limit of a sum, Mean value Theorems.	Computer System with LCD Projector / Black Board	Teaching Classes PSS	4	Class Room Seminor	1	
23	4 <sup>th</sup> WEEK		SEMESTER END EXAMINATIONS - 2018						
MON	TH: APR	RIL							
24	1 <sup>ST</sup> WEEK		SEMESTER END EXAMINATIONS - 2018						
25	2 <sup>ND</sup> WEEK		PRACTICAL EXAMINATIONS - 2018	et					
			et S.V. Kir	M.Sc., Michig B.Ed.,	t				~

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Phil. and Head of the Mathematics Department V.S.M. College RAMACHANDRAPURAM-533 255

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#### TABLE - A: : CURRICULUM PLAN - LECTURER - WISE FOR THE ACADEMIC YEAR 2016-17

**DEPARTMENT: MATHEMATICS** 

PAPER: I (DIFFERENTIAL EQUATIONS)

CLASS: I B.Sc. FIRST SEMESTER

NAME OF THE LECTURER: N.S.V.KIRAN KUMAR M.Sc., M.Phil., B.Ed.

	24	1,1		4 D D I TI ONI 4 I	CURRICU	LAR ACTV			CO-CURI	RICULA	R ACTI		
SERIAL	MONTH	HOURS	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	ACTIVITY	HOURS	WHETHER	IF NOT, ALTERNATE DATE	ACTIVITY	HOURS	WHETHER CONDUCTED	IF NOT, ALTERNATE DATE	REMARKS
				MONTH	JULY								
1	1 <sup>S1</sup> WEEK	2	Differential equations of first order and first degree		Teaching Classes	2	A Share						
2	2 <sup>ND</sup> WEEK	4	Differential equations of first order and first degree		Teaching Classes Problem solving Session	3 1	Ballet						
3	3 <sup>RD</sup> WEEK	6	Differential equations of first order and first degree		Teaching Classes Mid Examination	5 1	Bachady						
4	4 <sup>10</sup> WEEK	6	Differential equations of first order and first degree		Teaching Classes Problem solving Session	5 1	gange,						
5	5 <sup>th</sup> WEEK	6	Differential equations of first order and first degree		Teaching Classes Problem solving Session	4	Souther to		Classroom Seminor	1	G. C.	,	
				MONTH:	AUGUST								
6	1 <sup>51</sup> WEEK	6	I MID EXAMINATIONS				Balle Car		35.00				
7	2 <sup>ND</sup> WEEK	5	Differential Equations of first order but not of first degree		Teaching Classes Problem solving Session	4 1	Profession of		6				
8	3 <sup>RD</sup> WEEK	5	Differential Equations of first order but not of first degree		Teaching Classes Problem solving Session	4	Gratiches.	•			:		

9	4 <sup>10</sup> WEEK	5	Higher Order Linear Differential Equations-I	Teaching Classes Problem solving Session	4 1	Septiment of the septim				
10	5 <sup>th</sup> WEEK	3	Higher Order Linear Differential Equations-I	Teaching Classes	2	Carle to	Classroom Seminor	1	S S S S S S S S S S S S S S S S S S S	
			MONT	H : SEPTEMBER						
11	I <sup>ST</sup> WEEK	3	Higher Order Linear Differential Equations-I	Teaching Classes	3	S Checker				
12	2 <sup>ND</sup> WEEK	4	Higher Order Linear Differential Equations-II	Teaching Classes Problem solving Session	3	moducky				
13	3 <sup>RO</sup> WEEK	5	Higher Order Linear Differential Equations-II	Teaching Classes Problem solving Session	4	Bretucha				
14	4 <sup>TH</sup> WEEK	6	II MID EXAMINATIONS							
15	5 <sup>th</sup> WEEK	5	Higher Order Linear Differential Equations-II	Teaching Classes Problem solving Session	3 1	achicker.	Classroom Seminor	1	Bouete	
			MON	H: OCTOBER						
16	I <sup>ST</sup> WEEK	1	Higher Order Linear Differential Equations-II	Teaching Classes	1	De la Carte				
17	2 <sup>ND</sup> WEEK	5	Higher Order Linear Differential Equations-II	Teaching Classes Problem solving Session	4	Salucho.				
18	3 <sup>RD</sup> WEEK		Dasara Holidays							
19	4 <sup>th</sup> WEEK	6	Higher Order Linear Differential Equations-III	Teaching Classes Problem solving Session	5 1	Aparinet !				
20	5 <sup>th</sup> WEEK	6	Higher Order Linear Differential Equations-III	Teaching Classes Problem solving Session	4 1	Barles	Classroom Seminor	1	A STATE OF THE STA	
			MONTI	H : NOVEMBER					_	
21	I <sup>ST</sup> WEEK	5	REVISION							

	N.74				Ī
22	2 <sup>ND</sup> WEEK	5	SEMESTER END EXAMINATIONS		
23	3 <sup>RD</sup> WEEK	6	SEMESTER END EXAMINATIONS		
24	4th WEEK	6	SEMESTER END EXAMINATIONS		
	_	·	PAPI	ER - II (SOLID GEOMETRY)	
			CLASS	: I B.Sc. SECOND SEMESTER	
				MONTH: NOVEMBER	
25	5 <sup>th</sup> WEEK	3	The Plane	Teaching Classes 3	
				MONTH: DECEMBER	
26	I <sup>\$1</sup> WEEK	3	The Plane	Teaching Classes Problem solving Session  2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
27	2 <sup>ND</sup> WEEK	5	The Plane	Teaching Classes Problem solving Session	
28	3 <sup>rd</sup> WEEK	6	The Plane	Teaching Classes Problem solving Session  5 1	
29	4th WEEK	5	Right Line	Tenching Classes Problem solving Session	
30	5th WEEK	5	Right Line	Teaching Classes Problem solving Session  Classroom Seminor  1	
				MONTH: JANUARY	
31	IST WEEK	6	I MID EXAMINATIONS		

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	1						 			
32	2 <sup>ND</sup> WEEK	2	Right Line		Teaching Classes	2				
33	3 <sup>RD</sup> WEEK	4	Right Line		Teaching Classes Problem solving Session	3				
34	4 <sup>III</sup> WEEK	5	The Sphere		Teaching Classes Problem solving Session	4				
35	5th WEEK	2	The Sphere		Teaching Classes	1	Classroom Seminor	1		
				MONTH: F	EBRUARY					
36	1 <sup>ST</sup> WEEK	4	The Sphere		Teaching Classes Problem solving Session	3				
37	2 <sup>ND</sup> WEEK	5	The Sphere		Teaching Classes Problem solving Session	4				
38	3 <sup>RD</sup> WEEK	6	II MID EXAMINATIONS		Teaching Classes Problem solving Session	4	Classroom Seminor	1		
39	4 <sup>1H</sup> WEEK	5	The Sphere		Teaching Classes Problem solving Session	4				
40	5 <sup>th</sup> WEEK	2	The Sphere		Teaching Classes	2				
				MONTH:	MARCH		 		 	
41	I <sup>ST</sup> WEEK	4	The Cone	1 1	Teaching Classes Problem solving Session	3 1	Study Projects			
42	2 <sup>ND</sup> WEEK	5	The Cylinder		Teaching Classes Problem solving	4	Book Reviews			
43	3 <sup>RD</sup> WEEK	5	The Cylinder		Teaching Classes Problem solving Session	4	neviews			

44	4 <sup>111</sup> WEEK	5	The Central Conicoid		•				
45	5 <sup>th</sup> WEEK	5	REVISION						
			-	MONTH:	APRIL			 	
46	1 <sup>SE</sup> WEEK	1	SEMESTER END EXAMINATIONS						
47	2 <sup>ND</sup> WEEK	4	SEMESTER END EXAMINATIONS						
48	3 <sup>RD</sup> WEEK	5	SEMESTER END EXAMINATIONS			ia.		> <sup>14</sup>	

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar

M.Sc., M.Phil., B.Ed.,

Head of the Mathematics Department

V.S.M. College RAMACHANDRAPURAM-533 255 SIGNATURE OF THE PRINCIPAL

PRINCIPAL, V.S.M. COLLEGE (A) RAMACHANDRAPURAM-533 255, (E.G.DL)

#### TABLE - A: : CURRICULUM PLAN - LECTURER - WISE FOR THE ACADEMIC YEAR 2016-17

**DEPARTMENT: MATHEMATICS** 

PAPER: III (ABSTRACT ALGEBRA)

CLASS: II B.Sc. THIIRD SEMESTER

	-25			ADDITIONAL	CURRICU	LAR ACTV		CO-CURP	ICULA	R ACTIV		
SERIAL	MONTH &	HOURS	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	ACTIVITY	HOURS	WHETHER CONDUCTED IF NOT, ALTERNATE DATE	ACTIVITY	HOURS ALLOTTED	WHETHER CONDUCTED	IF NOT, ALTERNATE DATE	REMARKS
				MONTH	: JUNE							
1	3 <sup>RD</sup> WEEK	3	GROUPS		Teaching Classes		ganicky					
2	1 <sup>TH</sup> WEEK	6	GROUPS		Teaching Classes Problem solving Session	3 1	Balling					
3	5 <sup>th</sup> WEEK	4	GROUPS		Teaching Classes Mid Examination	5 1	Ampay					
				MONTH:	JULY							
ı	1 <sup>51</sup> WEEK	2	GROUPS		Teaching Classes	2	Galuk					
2	2 <sup>ND</sup> WEEK	4	GROUPS		Teaching Classes Problem solving Session	3	Contracts.					
3	3 <sup>RD</sup> WEEK	6	GROUPS		Teaching Classes Mid Examination	5 1	Galuka					

								_		T T	 
4	4 <sup>18</sup> WEEK	6	SUB GROUPS		Teaching Classes Problem solving Session	5 1	Gelenta.				
5	5 <sup>th</sup> WEEK	6	SUB GROUPS		Teaching Classes Problem solving Session	4	Saluk S	Classroom Seminor	1	Gale. &	
				MONTH:	AUGUST						
6	1 <sup>ST</sup> WEEK	6	I MID EXAMINATIONS								
7	2 <sup>NO</sup> WEEK	5	NORMAL SUB GROUPS		Teaching Classes Problem solving Session	4	A Charles				
8	3 <sup>RD</sup> WEEK	5	NORMAL SUB GROUPS		Teaching Classes Problem solving Session	4	Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan				
9	4 <sup>10</sup> WEEK	5	NORMAL SUB GROUPS		Teaching Classes Problem solving Session	4	Sold Sold Sold Sold Sold Sold Sold Sold				
10	5 <sup>th</sup> WEEK	3	HOMOMORPHISM		Teaching Classes	2	Co Maria	Classroom Seminor	1	90	
				MONTH : SI	EPTEMBER						
11	1 <sup>51</sup> WEEK	3	HOMOMORPHISM		Teaching Classes	3	Galuet				
12	2 <sup>ND</sup> WEEK	4	HOMOMORPHISM	19	Teaching Classes Problem solving Session	3	A DUN				
13	3 <sup>RO</sup> WEEK	5	HOMOMORPHISM		Teaching Classes Problem solving Session	4	Grafiile G				
-14	4 <sup>TH</sup> WEEK	6	II MID EXAMINATIONS								
15	5th WEEK	5	HOMOMORPHISM		Teaching Classes Problem solving Session	3	Greleuder.	Classroom Seminor	1	Belenk	

	-			MONTH: OCTOBER
16	1 <sup>ST</sup> WEEK	1	PERMUTATION GROUPS	Teaching Classes 1
17	2 <sup>ND</sup> WEEK	5	PERMUTATION GROUPS	Teaching Classes Problem solving Session  Problem Solving Session
18	3 <sup>RD</sup> WEEK		Dasara Holidays	
19	4 <sup>th</sup> WEEK	6	CYCLIC GROUPS	Teaching Classes Problem solving Session  Teaching Classes 5 1 0
20	5th WEEK	6	CYCLIC GROUPS	Teaching Classes Problem solving Session  Classroom Seminor 1
				MONTH: NOVEMBER
21	1 <sup>51</sup> WEEK	5	REVISION	
22	2 <sup>ND</sup> WEEK	5	SEMESTER END EXAMINATIONS	
23	3 <sup>RD</sup> WEEK	6	SEMESTER END EXAMINATIONS	
24	4 <sup>th</sup> WEEK	6	SEMESTER END EXAMINATIONS	
			PAPEI	R - IV REAL ANALYSIS)
	****		CLASS : II	B.Sc. FOURTH SEMESTER
				MONTH : NOVEMBER
25	5 <sup>th</sup> WEEK	3	REAL NUMBERS	Teaching Classes 3
				MONTH: DECEMBER
26	1 <sup>ST</sup> WEEK	3	REAL SEQUENCES	Teaching Classes Problem solving Session  2 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

				100.10	SECRETAL SACRA		Carte Co.	2000		
27	2 <sup>ND</sup> WEEK	5	REAL SEQUENCES	Teaching Classes Problem solving Session	4	Lorder Con				
28	3 <sup>rd</sup> WEEK	6	REAL SEQUENCES	Teaching Classes Problem solving Session	5 1	- grature				
29	4th WEEK	5	REAL SEQUENCES	Teaching Classes Problem solving Session	4	Cardid				
30	5th WEEK	5	INFINITE SERIES	Teaching Classes Problem solving Session	3	Conducti	Classroom Seminor	1	Cordial o	
			МО	ONTH: JANUARY						
31	f <sup>st</sup> week	6	I MID EXAMINATIONS							
32	2 <sup>ND</sup> WEEK	2	INFINITE SERIES	Teaching Classes	2					
33	3 <sup>RD</sup> WEEK	4	INFINITE SERIES	Teaching Classes Problem solving Session	3					
34	4 <sup>TH</sup> WEEK	5	LIMITS AND CONTINUITY	Teaching Classes Problem solving Session	4					
35	5 <sup>th</sup> WEEK	2	LIMITS AND CONTINUITY	Teaching Classes	1		Classroom Seminor	1		
			MON	TH: FEBRUARY						
36	1 <sup>\$1</sup> WEEK	4	LIMITS AND CONTINUITY	Teaching Classes Problem solving Session	3 1					
37	2 <sup>ND</sup> WEEK	5	DIFFERENTIATION AND MEAN VALUE THEORMS	Teaching Classes Problem solving Session	4					

38	3 <sup>RD</sup> WEEK	6	II MID EXAMINATIONS	Teaching Classes Problem solving Session	4 1		Classroom Seminor	1		
39	4 <sup>111</sup> WEEK	5	DIFFERENTIATION AND MEAN VALUE THEORMS	Teaching Classes Problem solving Session	4					
40	5 <sup>th</sup> WEEK	2	DIFFERENTIATION AND MEAN VALUE THEORMS	Teaching Classes	2					
			M	ONTH: MARCH						
41	1 <sup>51</sup> WEEK	4	RIEMANN INTEGRATION	Teaching Classes Problem solving Session	3 1		Study Projects			
42	2 <sup>ND</sup> WEEK	5	RIEMANN INTEGRATION	Teaching Classes Problem solving	4		Book Reviews			
43	3 <sup>RD</sup> WEEK	5	RIEMANN INTEGRATION	Teaching Classes Problem solving Session	4					
44	4 <sup>TH</sup> WEEK	5	RIEMANN INTEGRATION							
45	5th WEEK	5	REVISION							
				MONTH: APRIL		 				
46	1 <sup>\$1</sup> WEEK	1	SEMESTER END EXAMINATIONS							
47	2 <sup>ND</sup> WEEK	4	SEMESTER END EXAMINATIONS							
48	3 <sup>RD</sup> WEEK	5	SEMESTER END EXAMINATIONS							

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar

Head of the Mathematics Dep 11 201. V.S.M. College RAMACHANDRAPURAM-533 255

S. Rangauganent SIGNATURE OF THE PRINCIPAL

ACHARDIAN BANASARA

### TABLE - A: : CURRICULUM PLAN - LECTURER -WISE FOR THE ACADEMIC YEAR 2016-17

**DEPARTMENT: MATHEMATICS** 

PAPER: III (LINEAR ALGEBRA AND VECTOR CALCULUS)

CLASS: III B.Sc.

				ADDIMIONAL	ADDITIONAL CURRICULAR ACTIVITY CO-CURRICULAR ACTIVITY							]	
SERIAL	MONTH & WEEK	HOURS	SYLLABUS TOPICS	INPUTS / VALUES ADDITION	ACTIVITY	HOURS ALLOTTED	WHETHER CONDUCTED	IF NOT, ALTERNATE DATE	ACTIVITY	HOURS ALLOTTED	WHETHER	IF NOT, ALTERNATE DATE	REMARKS
		-		MONTH:	JUNE								
1	3 <sup>RD</sup> WEEK	4											
2	4 <sup>TH</sup> WEEK	8			TEACHING PAPER	- IV							
3	5th WEEK	5											
	<del></del>			MONTH:	JULY							_	
4	1 <sup>S1</sup> WEEK	3											
5	2 <sup>ND</sup> WEEK	5											
6	3 <sup>RD</sup> WEEK	8			TEACHING PAPER	- IV							
7	1 <sup>111</sup> WEEK	8											
8	5th WEEK	8		···						·			
				MONTH:	AUGUST					- <del></del>			
9	1 <sup>\$1</sup> WEEK	8								ر/ <u>د</u> م	-00	Diea	ran
10	2 <sup>ND</sup> WEEK	7								HOO	ارد	ורי שינו רשח ג	
11	3 <sup>RD</sup> WEEK	7			TEACHING PAPER	- IV			Ĺ	5/001	1.0	12098 12016 12016	
12	4 <sup>111</sup> WEEK	7							/	quay	-1 -7	JU/ 6	
13	5 <sup>th</sup> WEEK	4		· · · · · · · · · · · · · · · · · · ·					<u>.                                      </u>				

			ŗ	10NTH : SEPTEMBER	
16	I <sup>ST</sup> WEEK	4			Addon Porcupa
17	2 <sup>SB</sup> WEEK	6			CII
18	3 <sup>RD</sup> WEEK	7		TEACHING PAPER - IV	SNEGON
19	4 <sup>TH</sup> WEEK	8			Aldon Mayor Entelleron Sep-09-2016
20	5 <sup>th</sup> WEEK	7			
				MONTH: OCTOBER	20 20 21
21	t <sup>ST</sup> WEEK	2	Vectorspace	Teaching Classes 2	
22	2 <sup>ND</sup> WEEK	7	General properties of Vectorspaces, problems on vectorspace	Teaching Classes Problem solving Session  Franching Classes  6 1	
23	3 <sup>RD</sup> WEEK	3	Subspaces, Linear combination of vectors,	Teaching Classes 2 Mid Examination 1	
24	4 <sup>th</sup> WEEK	8	Linear Span and Porperties of Linear Span, Linear independence and dependence of vectors. Basisi and Dimensions	Teaching Classes Problem solving 7 1	
25	5th WEEK	8	Basisi and Dimensions	Teaching Classes 7 Classroom Seminor 1	(Alixo
•			7	IONTH: NOVEMBER	
26	IST WEEK	6	Linear Transformations	Teaching Classes Problem solving Session  5 1	
27	2 <sup>ND</sup> WEEK	7	Linear Transformations	Teaching Classes Problem solving Session  1	
28	3 <sup>RD</sup> WEEK	8	Vector Space Isomorphism	Teaching Classes Problem solving Session 7 1	
29	4th WEEK	8	Matrix Linear Transformation	Teaching Classes 7 Classroom Seminor 1	APA APA
30	5 <sup>th</sup> WEEK	4	Characterstic values and Characterstic vectors.	Teaching Classes 4	

				MONTH : D	DECEMBER							-	
31	1 <sup>S1</sup> WEEK	4	Half - Yealy Examinations						32.53				ı
32	2 <sup>NO</sup> WEEK	7	Characterstic values and Characterstic vectors.		Teaching Classes Problem solving Session	6	Children of the Children						
33	3 <sup>rd</sup> WEEK	8	Inner product space		Teaching Classes Problem solving Session	7	O. Mile						
34	4th WEEK	7	inner product space		Teaching Classes Problem solving Session		and it	•					
35	5th WEEK	6	Multiple Integrals		Teaching Classes	5	C. dud	<b>&gt;</b>	Classroom Seminor	1	Coducte		
				MONTH:	JANUARY								
36	t <sup>st</sup> week	8	Multiple Integrals		Teaching Classes Mid Examination	7							
37	2 <sup>ND</sup> WEEK	3	Multiple Integrals		Teaching Classes	3							
38	3 <sup>RD</sup> WEEK	4	Vector Differentiation		Teaching Classes	4							
39	4 <sup>18</sup> WEEK	6	Vector Integration		Teaching Classes	6							
40	5th WEEK	3	REVISION		Teaching Classes	2			Classroom Seminor	1			

			МС	NTH : FEBRUARY			
41	1 <sup>ST</sup> WEEK	5	REVISION		Study Project:		
42	2 <sup>ND</sup> WEEK	6	REVISION		Book Reviews	,	
43	3 <sup>RD</sup> WEEK	8	REVISION				
44	4 <sup>TH</sup> WEEK	6	REVISION				

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Phil., B.Ed, Head of the Mathematics Department

V.S.M. College RAMACHANDRAPURAM-533 255

S. Ramanjanent

SIGNATURE OF THE PRINCIPAL

PRINCIPAL, V.S.M. COLLEGE (A) RAMACHANDRAPURAM-533 255, (E.G.Dt.)

## TABLE - A: CURRICULUM PLAN - LECTURER -WISE FOR THE ACADEMIC YEAR 2016-17

**DEPARTMENT: MATHEMATICS** 

PAPER: IV (NUMERICAL ANALYSIS)

CLASS: III B.Sc.

	1	Ī			CURRICUL	AR ACTVI		CO-CURR	IICULA	R ACTIV		
SERIAL	MONTH & WEEK	HOURS	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	ACTIVITY	HOURS	WHETHER CONDUCTED IF NOT, ALTERNATE DATE	ACTIVITY	HOURS ALLOTTED	WHETHER CONDUCTED	IF NOT, ALTERNATE DATE	REMARKS
				MONTH	: JUNE							
1	3 <sup>RD</sup> WEEK	8	Errors and Their Accuracy		Teaching Classes Problem solving session	7 1	adula					
2	4 <sup>III</sup> WEEK	8	Finate Differences and Interpolation		Teaching Classes Problem solving session	6 1	Graduoto	Classroom Seminor	1	aductor		
3	5 <sup>th</sup> WEEK	2	Finate Differences and Interpolation		Teaching Classes	2	e delle					
				MONTH	: JULY							
4	1 <sup>ST</sup> WEEK	8	Finate Differences and Interpolation	L	Teaching Classes Problem solving session	7 1	Balleria					
5	2 <sup>ND</sup> WEEK	6	Solutions of Algebraic and Transcendental Equations		Teaching Classes Problem solving session	5 1	Rampy					
6	3 <sup>RD</sup> WEEK	8	Solutions of Algebraic and Transcendental Equations		Teaching Classes Problem solving session	7	S. Calent					
7	4 <sup>m</sup> WEEK	8	Curve Fitting		Teaching Classes Problem solving session	7 1	San Page			*		
8	5 <sup>th</sup> WEEK	3	Curve Fitting		Teaching Classes	2	2 4 6 L	Classroom Seminor	1	A Property		

			ľ	10NTH: AUGUST2013	
9	1 <sup>ST</sup> WEEK	8	Curve Fitting	Teaching Classes 7 Problem solving 1 session	
10	2 <sup>ND</sup> WEEK	7	Solutions of Simultaneous Linear System of Equations	Teaching Classes Problem solving 1 session	
11	3 <sup>RD</sup> WEEK	7	Solutions of Simultaneous Linear System of Equations	Teaching Classes Problem solving session  1	
12	4 <sup>18</sup> WEEK	8	Numerical Integration	Teaching Classes Problem solving session  Classroom Seminor 1	
13	5 <sup>th</sup> WEEK	2	Numerical Integration	Teaching Classes 2 ( )	
			MC	NTH: SEPTEMBER2013	
16	1 <sup>ST</sup> WEEK	8	Numerical Integration Numerical Differentiation	Teaching Classes Problem solving 1 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
17	2 <sup>ND</sup> WEEK	6	Numerical Solutions of Ordinary Differential Equations	Teaching Classes Problem solving 1 Session	
18	3 <sup>RD</sup> WEEK	8	Numerical Solutions of Ordinary Differential Equations	Teaching Classes 7 Classroom Seminor 1	
19	4 <sup>10</sup> WEEK	8	REVISION	Teaching Classes 8 Study Projectsdudie	
20	5 <sup>th</sup> WEEK	3	REVISION	Teaching Classes 3 Book Reviews Cudus	
			M	ONTH: OCTOBER2013	
21	1 <sup>ST</sup> WEEK	8			
22	2 <sup>ND</sup> WEEK	6	]		
23	3 <sup>RO</sup> WEEK	8		TEACHING PAPER - III	
24	4th WEEK	6			
25	5 <sup>th</sup> WEEK	4			

	MONTH: NOVEMBER2013								
26	1 <sup>ST</sup> WEEK	6							
27	2 <sup>NO</sup> WEEK	6							
28	3 <sup>RD</sup> WEEK	8		TEACHING PAPER - III					
29	4 <sup>th</sup> WEEK	8							
30	5th WEEK	2							
				MONTH: DECEMBER2013					
31	1 <sup>ST</sup> WEEK	8							
32	2 <sup>ND</sup> WEEK	6							
33	3 <sup>rd</sup> WEEK	8		TEACHING PAPER - III					
34	4th WEEK	4							
35	5th WEEK	4							
				MONTH: JANUARY2014					
36	1 <sup>ST</sup> WEEK	8							
37	2 <sup>SD</sup> WEEK	3							
38	3 <sup>RD</sup> WEEK	4		TEACHING PAPER - III					
39	4 <sup>TH</sup> WEEK	6							
40	5 <sup>th</sup> WEEK	4							
				MONTH: FEBRUARY2014					
41	1 <sup>5T</sup> WEEK	5	REVISION						
42	2 <sup>ND</sup> WEEK	6	REVISION						
43	3 <sup>RD</sup> WEEK	8	REVISION						
44	4 <sup>TH</sup> WEEK	6	REVISION						

SIGNATURE OF THE DEPARTMENT I/C.

N.S.V. Kiran Kumar M.Sc., M.Phil., B.Ed.,

Head of the Matrid

V.S.M.

RAMACHANDRAPURA

SIGNATURE OF THE PRINCIPAL

PRINCIPAL, V.S.M. COLLEGE (A) RAMACHANDRAPUNAM-533 255, (E.G.DL.)

## TABLE - A: : CURRICULUM PLAN - LECTURER -WISE FOR THE ACADEMIC YEAR 2016-17

**DEPARTMENT: MATHEMATICS** 

PAPER: I (DIFFERENTIAL EQUATIONS)

CLASS: I B.Sc. FIRST SEMESTER

NAME OF THE LECTURER: Smt. K.NAGA MANI M.Sc.

			,		CURRICUI	LAR ACTV		CO-CURP	HCULAF			
SERIAL	MONTH & WEEK	HOURS	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	ACTIVITY	HOURS	WHETHER CONDUCTED IF NOT, ALTERNATE DATE	ACTIVITY	HOURS ALLOTTED	WHETHER CONDUCTED	IF NOT, ALTERNATE DATE	REMARKS
				MONTH	JULY		·					
1	1 <sup>ST</sup> WEEK	2	Differential equations of first order and first degree		Teaching Classes	2	Boluty					
2	2 <sup>ND</sup> WEEK	4	Differential equations of first order and first degree		Teaching Classes Problem solving Session	3 1	Ballet of					
3	3 <sup>RD</sup> WEEK	6	Differential equations of first order and first degree		Teaching Classes Mid Examination	5 1	anterda					
4	4 <sup>TH</sup> WEEK	6	Differential equations of first order and first degree		Teaching Classes Problem solving Session	5 1	Grature				_	
5	5 <sup>th</sup> WEEK	6	Differential equations of first order and first degree		Teaching Classes Problem solving Session	4	Parish S	Classroom Seminor	1	Boleck		
				MONTH:	AUGUST							
6	1 <sup>ST</sup> WEEK	6	I MID EXAMINATIONS									
7	2 <sup>ND</sup> WEEK	5	Differential Equations of first order but not of first degree		Teaching Classes Problem solving Session	4	Sale (A)					
8	3 <sup>RD</sup> WEEK	5	Differential Equations of first order but not of first degree		Teaching Classes Problem solving Session	4	Soduet &			:		

			AND THE PROPERTY OF THE PROPER							 
9	4 <sup>TH</sup> WEEK	5	Higher Order Linear Differential Equations-I	Teaching Classes Problem solving Session	4	South of the state				
10	5 <sup>th</sup> WEEK	3	Higher Order Linear Differential Equations-I	Teaching Classes	2	Solution of the second	Classroom Seminor	1	De Salan	 ·
	<u>,</u>		MONTE	H: SEPTEMBER						 
11	1 <sup>ST</sup> WEEK	3	Higher Order Linear Differential Equations-I	Teaching Classes	3	Golento				
12	2 <sup>ND</sup> WEEK	4	Higher Order Linear Differential Equations-II	Teaching Classes Problem solving Session	3	Solute 1				_
13	3 <sup>RO</sup> WEEK	5	Higher Order Linear Differential Equations-II	Teaching Classes Problem solving Session	4 1	Sadure.				
14	4 <sup>1H</sup> WEEK	6	II MID EXAMINATIONS		l					
15	5 <sup>th</sup> WEEK	5	Higher Order Linear Differential Equations-II	Teaching Classes Problem solving Session	3 1	Baller	Classroom Seminor	1	Brokente	
			MONT	H : OCTOBER						 
16	t <sup>st</sup> week	ı	Higher Order Linear Differential Equations-II	Teaching Classes	1	See Contract of the Contract o				 
17	2 <sup>ND</sup> WEEK	5	Higher Order Linear Differential Equations-II	Teaching Classes Problem solving Session	4	Annae .				
18	3 <sup>RO</sup> WEEK		Dasara Holidays							
19	J <sup>th</sup> WEEK	6	Higher Order Linear Differential Equations-III	Teaching Classes Problem solving Session	5 1	6 dauta				
20	5 <sup>th</sup> WEEK	6	Higher Order Linear Differential Equations-III	Teaching Classes Problem solving Session	4	Order Co.	Classroom Seminor	1	3malento	
			MONTI	H: NOVEMBER						
21	1 <sup>51</sup> WEEK	5	REVISION							

22	2 <sup>ND</sup> WEEK	5	SEMESTER END EXAMINATIONS	
23	3 <sup>RD</sup> WEEK	6	SEMESTER END EXAMINATIONS	
24	4 <sup>th</sup> WEEK	6	SEMESTER END EXAMINATIONS	
			PA	PER - II (SOLID GEOMETRY)
			CLA	SS: I B.Sc. SECOND SEMESTER
				MONTH: NOVEMBER
25	5 <sup>th</sup> WEEK	3	The Plane	Teaching Classes 3 (gdu/s)
	-			MONTH: DECEMBER
26	1 <sup>57</sup> WEEK	3	The Plane	Teaching Classes Problem solving Session  Problem Solving Session
27	2 <sup>ND</sup> WEEK	5	The Plane	Teaching Classes Problem solving Session  Teaching Classes  4  1  Code  Teaching Classes  1  Teaching Classes  Teaching Classes  Teachi
28	3 <sup>rd</sup> WEEK	6	The Plane	Teaching Classes Problem solving 1 Problem solving
29	4th WEEK	5	Right Line	Teaching Classes Problem solving Session
30	5th WEEK	5	Right Line	Teaching Classes Problem solving Session  Teaching Classes  1 Classroom Seminor  1 Cuttled  1
	1			MONTH: JANUARY
31	IST WEEK	6	I MID EXAMINATIONS	

32	2 <sup>ND</sup> WEEK	2	Right Line		Teaching Classes	2						
33	3 <sup>RD</sup> WEEK	4	Right Line		Teaching Classes Problem solving Session	3 1						
34	4 <sup>TH</sup> WEEK	5	The Sphere		Teaching Classes Problem solving Session	4						
35	5th WEEK	2	The Sphere		Teaching Classes	1	å	Classroom Seminor	1			
				MONTH : F	EBRUARY						_	
36	I <sup>ST</sup> WEEK	4	The Sphere		Teaching Classes Problem solving Session	3						
37	2 <sup>ND</sup> WEEK	5	The Sphere		Teaching Classes Problem solving Session	4 1						
38	3 <sup>RO</sup> WEEK	6	II MID EXAMINATIONS		Teaching Classes Problem solving Session	4		Classroom Seminor	1			
39	4 <sup>TH</sup> WEEK	5	The Sphere		Teaching Classes Problem solving Session	4		:				
40	5 <sup>th</sup> WEEK	2	The Sphere		Teaching Classes	2						,
				MONTH:	MARCH					_	_	_
41	1 <sup>ST</sup> WEEK	4	The Cone		Teaching Classes Problem solving Session	3 1		Study Projects				
42	2 <sup>ND</sup> WEEK	5	The Cylinder		Teaching Classes Problem solving	4		Book Reviews				
43	3 <sup>RO</sup> WEEK	5	The Cylinder		Teaching Classes Problem solving Session	4 1						

44	4 <sup>TH</sup> WEEK	5	The Central Conicoid				 	 	 
45	5 <sup>th</sup> WEEK	5	REVISION				 		 
			M	ONTH:	APRIL	_	 	 	
46	I <sup>ST</sup> WEEK	1	SEMESTER END EXAMINATIONS				:		 
47	2 <sup>ND</sup> WEEK	4	SEMESTER END EXAMINATIONS						_
48	3 <sup>RO</sup> WEEK	5	SEMESTER END EXAMINATIONS						 

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Phil., B.Ec., Head of the Mathematics Department V.S.M. College RAMACHANDRAPURAM-533 255 S. Ramangness SIGNATURE OF THE PRINCIPAL

PRINCIPAL, V.S.M. COLLEGE (A) RAW CHANDRAPURAM-593 255, (E.G.Dt.)

# TABLE - A: : CURRICULUM PLAN - LECTURER -WISE FOR THE ACADEMIC YEAR 2016-17

**DEPARTMENT: MATHEMATICS** 

PAPER: III (ABSTRACT ALGEBRA)

CLASS: II B.Sc. THIIRD SEMESTER

### NAME OF THE LECTURER: Smt. K.NAGA MANI M.Sc.

					CURRICU	LAR ACTV	ITY	CO-CURR			
SERIAL	MONTH & WEEK	HOURS	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	ACTIVITY	HOURS	WHETHER CONDUCTED IF NOT, ALTERNATE DATE	ACTIVITY	HOURS ALLOTTED	CONDUCTED IF NOT, ALTERNATE DATE	REMARKS
				MONTH	: JUNE						
1	3 <sup>RD</sup> WEEK	3	GROUPS		Teaching Classes	2	Oct. Land				
2	4 <sup>1H</sup> WEEK	6	GROUPS		Teaching Classes Problem solving Session	3	Solute of the state				
3	5 <sup>th</sup> WEEK	4	GROUPS		Teaching Classes Mid Examination	5	andula.				
				MONTH	: JULY						
1	1 <sup>ST</sup> WEEK	2	GROUPS		Teaching Classes	2	San San San San San San San San San San				
2	2 <sup>ND</sup> WEEK	4	GROUPS		Teaching Classes Problem solving Session	3	S AND S AND				
3	3 <sup>RD</sup> WEEK	6	GROUPS		Teaching Classes Mid Examination	5 1	Saluk				

											- 1	$\neg$
4	4 <sup>th</sup> WEEK	6	SUB GROUPS		Teaching Classes Problem solving Session	5	Solution St.					
5	5 <sup>th</sup> WEEK	6	SUB GROUPS		Teaching Classes Problem solving Session	4	Salar Salar	Classroom Seminor	1	A PORT		<u></u>
				MONTH:	AUGUST	-				r		
6	I <sup>ST</sup> WEEK	6	I MID EXAMINATIONS									_
7	2 <sup>ND</sup> WEEK	5	NORMAL SUB GROUPS		Teaching Classes Problem solving Session	4	adulta.				_	
8	3 <sup>RD</sup> WEEK	5	NORMAL SUB GROUPS		Teaching Classes Problem solving Session	4	Barrel					
9	4 <sup>1H</sup> WEEK	5	NORMAL SUB GROUPS		Teaching Classes Problem solving Session	4	noteute					_
10	5 <sup>th</sup> WEEK	3	HOMOMORPHISM		Teaching Classes	2	artik	Classroom Seminor	1	C Jaros		
	<u> </u>			MONTH: S	EPTEMBER							
11	1 <sup>51</sup> WEEK	3	HOMOMORPHISM		Teaching Classes	3	Dampag					
12	2 <sup>ND</sup> WEEK	4	HOMOMORPHISM		Teaching Classes Problem solving Session	3 1	duda					
13	3 <sup>RD</sup> WEEK	5	HOMOMORPHISM		Teaching Classes Problem solving Session	1	Symposis Conde					
14	4 <sup>TH</sup> WEEK	6	II MID EXAMINATIONS									
15	5 <sup>th</sup> WEEK	5	HOMOMORPHISM		Teaching Classes Problem solving Session	3 1	tanna g	Classroom Seminor	1	G which		

				MONTH: OCTOBER
16	I <sup>ST</sup> WEEK	1	PERMUTATION GROUPS	Teaching Classes 1 (1)
17	2 <sup>ND</sup> WEEK	5	PERMUTATION GROUPS	Teaching Classes Problem solving Session  1
18	3 <sup>RO</sup> WEEK		Dasara Holidays	
19	4 <sup>th</sup> WIEEK	6	CYCLIC GROUPS	Teaching Classes Problem solving Session  5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
20	5 <sup>th</sup> WEEK	6	CYCLIC GROUPS	Teaching Classes Problem solving Session  Classroom Seminor 1 Classroom Seminor
			N	IONTH: NOVEMBER
21	1 <sup>S1</sup> WEEK	5	REVISION	
22	2 <sup>ND</sup> WEEK	5	SEMESTER END EXAMINATIONS	
23	3 <sup>RD</sup> WEEK	6	SEMESTER END EXAMINATIONS	
24	4 <sup>th</sup> WEEK	6	SEMESTER END EXAMINATIONS	
			PAPER	- IV REAL ANALYSIS)
		~-	CLASS: II	B.Sc. FOURTH SEMESTER
				10NTH : NOVEMBER
25	5 <sup>th</sup> WEEK	3	REAL NUMBERS	Teaching Classes 3 (a) (b) (c)
	'		Ī	MONTH: DECEMBER
26	1 <sup>ST</sup> WEEK	3	REAL SEQUENCES	Teaching Classes 2 Problem solving 1 Session 1

27	2 <sup>ND</sup> WEEK	5	REAL SEQUENCES	Teaching Classes Problem solving Session	4	codició				
28	3 <sup>rd</sup> WEEK	6	REAL SEQUENCES	Teaching Classes Problem solving Session	5 1	o du Jo				
29	4th WEEK	5	REAL SEQUENCES	Teaching Classes Problem solving Session	4	addida.				
30	5th WEEK	5	INFINITE SERIES	Teaching Classes Problem solving Session	3	ardis.	Classroom Seminor	1	COPULGO	
			MON	ΓH: JANUARY						
31	1 <sup>5T</sup> WEEK	6	I MID EXAMINATIONS							
32	2 <sup>ND</sup> WEEK	2	INFINITE SERIES	Teaching Classes	2					
33	3 <sup>RO</sup> WEEK	4	INFINITE SERIES	Teaching Classes Problem solving Session	3		e <sup>1</sup>			
34	4 <sup>3H</sup> WEEK	5	LIMITS AND CONTINUITY	Teaching Classes Problem solving Session	4					
35	5 <sup>th</sup> WEEK	2	LIMITS AND CONTINUITY	Teaching Classes	1		Classroom Seminor	1		
		<u>                                     </u>	MONT	H : FEBRUARY				_		
36	1 <sup>ST</sup> WEEK	4	LIMITS AND CONTINUITY	Teaching Classes Problem solving Session	3					
37	2 <sup>ND</sup> WEEK	5	DIFFERENTIATION AND MEAN VALUE THEORMS	Teaching Classes Problem solving Session	4					

38	3 <sup>RD</sup> WEEK	6	II MID EXAMINATIONS	Teaching Classes Problem solving Session	4	Classroom Seminor	1			
39	4 <sup>TR</sup> WEEK	5	DIFFERENTIATION AND MEAN VALUE THEORMS	Teaching Classes Problem solving Session	4					
40	5 <sup>th</sup> WEEK	2	DIFFERENTIATION AND MEAN VALUE THEORMS	Teaching Classes	2				. <u>.</u>	
	1		MO	NTH: MARCH		 				
41	ISI WEEK	4	RIEMANN INTEGRATION	Teaching Classes Problem solving Session	3	Study Projects				
42	2 <sup>ND</sup> WEEK	- 5	RIEMANN INTEGRATION	Teaching Classes Problem solving	4	Book Reviews				
43	3 <sup>RD</sup> WEEK	5	RIEMANN INTEGRATION	Teaching Classes Problem solving Session	4					
44	41H WEEK	5	RIEMANN INTEGRATION							
45	5 <sup>th</sup> WEEK	5	REVISION			 	]			
			M	ONTH: APRIL		 		1		Τ-
46	1 <sup>\$1</sup> WEEK	ı	SEMESTER END EXAMINATIONS							
47	2 <sup>ND</sup> WEEK	4	SEMESTER END EXAMINATIONS							
48	3 <sup>RD</sup> WEEK	5	SEMESTER END EXAMINATIONS						_	

KV Dagen SIGNATURE OF THE LECTURER

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M Sc., M.Fhil., B.Ed.,

Hoad of the Mathematics Department V.S.M. College RAMACHANDRAPURAM-533 255

3. Rans anjureal

SIGNATURE OF THE PRINCIPAL

PRINCIPAL, V.S.M. COLLEGE (A) RAMACHANDRAPURAM-533 255, (E.G.Dr.)

### TABLE - A: : CURRICULUM PLAN - LECTURER -WISE FOR THE ACADEMIC YEAR 2016-17

**DEPARTMENT: MATHEMATICS** 

PAPER: I (DIFFERENTIAL EQUATIONS)

CLASS: I B.Sc. FIRST SEMESTER

#### NAME OF THE LECTURER: G.N.UMA MAHESWARI M.Sc.

	28				CURRICU	LAR ACTV		CO-CURR	ICULA			
SERIAL	MONTH &	HOURS	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	ACTIVITY	HOURS	WHETHER CONDUCTED IF NOT, ALTERNATE DATE	ACTIVITY	HOURS ALLOTTED	WHETHER CONDUCTED	IF NOT, ALTERNATE DATE	REMARKS
30				MONTH	: JULY							
1	1 <sup>ST</sup> WEEK	2	Differential equations of first order and first degree		Teaching Classes	2	Agringo Geografia					
. 2	2 <sup>ND</sup> WEEK	4	Differential equations of first order and first degree		Teaching Classes Problem solving Session	3	Backerk					
3	3 <sup>RD</sup> WEĘK	6	Differential equations of first order and first degree		Teaching Classes Mid Examination	5 1	Sold Survey of the Survey of t					
4	4 <sup>10</sup> WEEK	6	Differential equations of first order and first degree		Teaching Classes Problem solving Session	5	A Pargago					
5	5 <sup>th</sup> WEEK	6	Differential equations of first order and first degree		Teaching Classes Problem solving Session	4	Green by	Classroom Seminor	1	Saler C.		
P				MONTH:	AUGUST							
6	1 <sup>51</sup> WEEK	6	I MID EXAMINATIONS									
7	2 <sup>NB</sup> WEEK	5	Differential Equations of first order but not of first degree		Teaching Classes Problem solving Session	4 1	April po					
8	3 <sup>RD</sup> WEEK	5	Differential Equations of first order but not of first degree		Teaching Classes Problem solving Session	4	100 Oct.					

	111	_	Unit of the Differential I	Teaching Classes	4	No.				
9	4 <sup>111</sup> WEEK	5	Higher Order Linear Differential Equations-I	Problem solving Session	1	3777				
10	5 <sup>th</sup> WEEK	3	Higher Order Linear Differential Equations-I	Teaching Classes	2	Codurate	Classroom Seminor	1	endisted	
			MONT	H : SEPTEMBER						
11	1 <sup>S1</sup> WEEK	3	Higher Order Linear Differential Equations-1	Teaching Classes	3	A Property				
12	2 <sup>ND</sup> WEEK	4	Higher Order Linear Differential Equations-II	Teaching Classes Problem solving Session	3 1	Con Marie				
13	3 <sup>RD</sup> WEEK	5	Higher Order Linear Differential Equations-II	Teaching Classes Problem solving Session	4	Co Maria				
14	4 <sup>181</sup> WEEK	6	II MID EXAMINATIONS							
15	5 <sup>th</sup> WEEK	5	Higher Order Linear Differential Equations-II	Teaching Classes Problem solving Session	3	Sole Ca	Classroom Seminor	1	Conductor	
			MON	TH : OCTOBER						 
16	1 <sup>S1</sup> WEEK	ı	Higher Order Linear Differential Equations-II	Teaching Classes	1	<b>1 1 1 1 1 1 1 1 1 1</b>				
17	2 <sup>ND</sup> WEEK	5	Higher Order Linear Differential Equations-II	Teaching Classes Problem solving Session	4	(Society)				
18	3 <sup>RD</sup> WEEK		Dasara Holidays	1 3853 5						
19	4 <sup>th</sup> WEEK	6	Higher Order Linear Differential Equations-III	Teaching Classes Problem solving Session	5 1	Saper Contract of the Contract				
20	5 <sup>th</sup> WEEK	6	Higher Order Linear Differential Equations-III	Teaching Classes Problem solving Session	4	A Carling Par	Classroom Seminor	1	Safe Safe	
			MONT	H: NOVEMBER		_				
21	1 <sup>S1</sup> WEEK	5	REVISION							;

		- 18			1		T						Т
22	2 <sup>80</sup> WEEK	5	SEMESTER END EXAMINATIONS							$oxed{}$			
23	3 <sup>RD</sup> WEEK	6	SEMESTER END EXAMINATIONS						:				
24	4 <sup>th</sup> WEEK	6	SEMESTER END EXAMINATIONS										
			PA	APER - II (SOLI	D GEOMET	RY)						_	
			CLA	ASS: I B.Sc. SEC	OND SEME	STER						_	
				MONTH: N	OVEMBER								
25	5 <sup>th</sup> WEEK	3	The Plane		Teaching Classes	3_	Coduxo						
				MONTH : D	ECEMBER								
26	151 WEEK	3	The Plane		Teaching Classes Problem solving Session	2	endict	<b>y</b>					
27	2 <sup>ND</sup> WEEK	5	The Plane		Teaching Classes Problem solving Session	4 1	anduel	<b>)</b>					
28	3 <sup>rd</sup> WEEK	6	The Plane		Teaching Classes Problem solving Session	5	Caudia	•					
29	4th WEEK	5	Right Line		Teaching Classes Problem solving Session	4	orkline.					_	
30	5th WEEK	5	Right Line		Teaching Classes Problem solving Session	3	cachel	<b>)</b>	Classroom Seminor	1	Carchita		
	,			MONTH : J	ANUARY								
31	1 <sup>ST</sup> WEEK	6	I MID EXAMINATIONS	program started									
				Les days	7		DI				de -		

32	2 <sup>ND</sup> WEEK	2	Right Line		Teaching Classes	2					
33	3 <sup>RD</sup> WEEK	4	Right Line		Teaching Classes Problem solving Session	3					
34	4 <sup>111</sup> WEEK	5	The Sphere		Teaching Classes Problem solving Session	4					
35	5 <sup>th</sup> WEEK	2	The Sphere		Teaching Classes	1	·	Classroom Seminor	1		
				MONTH : F	EBRUARY						
36	I <sup>ST</sup> WEEK	4	The Sphere		Teaching Classes Problem solving Session	3					
37	2 <sup>ND</sup> WEEK	5	The Sphere		Teaching Classes Problem solving Session	4					
38	3 <sup>RD</sup> WEEK	6	II MID EXAMINATIONS	Add-on posspour Ended.	Teaching Classes Problem solving Session	4		Classroom Seminor	1	 *	
39	4 <sup>TH</sup> WEEK	5	The Sphere		Teaching Classes Problem solving Session	4					
40	5 <sup>th</sup> WEEK	2	The Sphere		Teaching Classes	2				82	
				MONTH:	MARCH						
41	1 <sup>51</sup> WEEK	4	The Cone		Teaching Classes Problem solving Session	3 1		Study Projects			
42	2 <sup>ND</sup> WEEK	5	The Cylinder		Teaching Classes Problem solving	1		Book Reviews			
43	3 <sup>RD</sup> WEEK	5	The Cylinder		Teaching Classes Problem solving Session	4					

44	4 <sup>18</sup> WEEK	5	The Central Conicoid		
45	5th WEEK	5	REVISION		
	,		MONTH : APRIL	 	
46	I <sup>ST</sup> WEEK	ì	SEMESTER END EXAMINATIONS		_
47	2 <sup>SD</sup> WEEK	4	SEMESTER END EXAMINATIONS		
48	3 <sup>RD</sup> WEEK	5	SEMESTER END EXAMINATIONS		

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Phil., P.E. head of the Mathematics Department

V.S.M. College
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S. Ranguer SIGNATURE OF THE PRINCIPAL

PRÎNCIPAL, V.S.M. COLLEGE (A) RAMACHANDRAPURAM-533 255, (E.G.Dt.)

# TABLE - A: : CURRICULUM PLAN - LECTURER -WISE FOR THE ACADEMIC YEAR 2016-17

**DEPARTMENT: MATHEMATICS** 

PAPER: III (ABSTRACT ALGEBRA)

CLASS: II B.Sc. THIIRD SEMESTER

### NAME OF THE LECTURER: G.N.UMA MAHESWARI M.Sc.

	12.	Γ		TARRE OF THE BEST OF		CURRICU	LAR ACTV		CO-CURR	ICULA	R ACTIV		
SERIAL	MONTH & WEEK	HOURS	,	SYLLABUS TOPICS	ADDITIONAL INPUTS / VALUES ADDITION	ACTIVITY	HOURS	WHETHER CONDUCTED IF NOT, ALTERNATE	ACTIVITY	HOURS ALLOTTED	WHETHER CONDUCTED	IF NOT, ALTERNATE DATE	REMARKS
					MONTH	JUNE							
1	3 <sup>RD</sup> WEEK	3	GROUPS			Teaching Classes	2	Balenday.					
2	4 <sup>18</sup> WEEK	6	GROUPS			Teaching Classes Problem solving Session	3 1	marcha)					
3	5 <sup>th</sup> WEEK	4	GROUPS			Teaching Classes Mid Examination	5 1	Godewa					
					MONTH	: JULY							
1	1 <sup>51</sup> WEEK	2	GROUPS			Teaching Classes	2	Solution (By					
2	2 <sup>ND</sup> WEEK	4	GROUPS			Teaching Classes Problem solving Session	3	Sed what					
3	3 <sup>RD</sup> WEEK	6	GROUPS			Teaching Classes Mid Examination	5 1	Pograpa .					

4	4 <sup>TB</sup> WEEK	6	SUB GROUPS		Teaching Classes Problem solving Session	5	Salector				 
5	5 <sup>th</sup> WEEK	6	SUB GROUPS		Teaching Classes Problem solving Session	4	Gullenke B	Classroom Seminor	1	ade of	 
	-	-		MONTH:	AUGUST						
6	1 <sup>\$1</sup> WEEK	6	I MID EXAMINATIONS								
7	2 <sup>ND</sup> WEEK	5	NORMAL SUB GROUPS	s <sub>2</sub>	Teaching Classes Problem solving Session	4	adusta				 -
8	3 <sup>RD</sup> WEEK	5	NORMAL SUB GROUPS		Teaching Classes Problem solving Session	4	Bappe				
9	4 <sup>111</sup> WEEK	5	NORMAL SUB GROUPS		Teaching Classes Problem solving Session	4	to proper				
10	5 <sup>th</sup> WEEK	3	HOMOMORPHISM		Teaching Classes	2	Selection of the select	Classroom Seminor	1	B. Callet	
				MONTH: S	EPTEMBER						
11	1 <sup>ST</sup> WEEK	3	HOMOMORPHISM		Teaching Classes	3	Galula				
12	2 <sup>ND</sup> WEEK	4	HOMOMORPHISM		Teaching Classes Problem solving Session	3	2 Sales				 
13	3 <sup>RD</sup> WEEK	5	HOMOMORPHISM		Teaching Classes Problem solving Session	4	Seel Lake				 
14	4 <sup>TH</sup> WEEK	6	II MID EXAMINATIONS								
15	5 <sup>th</sup> WEEK	5	HOMOMORPHISM		Teaching Classes Problem solving Session	3 1	Partice.	Classroom Seminor	1	S. C.	

				MONTH : OCTOBER							
16	I <sup>ST</sup> WEEK	1	PERMUTATION GROUPS	Teaching Classes	1	Page Page					
17	2 <sup>ND</sup> WEEK	5	PERMUTATION GROUPS	Teaching Classes Problem solving Session	4	A Paris					
18	3 <sup>RD</sup> WEEK	-	Dasara Holidays						_		
19	4th WEEK	6	CYCLIC GROUPS	Teaching Classes Problem solving Session	5 1	A STATE OF THE STA					
20	5 <sup>th</sup> WEEK	6	CYCLIC GROUPS	Teaching Classes Problem solving Session	4	TO THE PERSON OF	Classroom Seminor	1	achuta		
				MONTH: NOVEMBER							
21	1 <sup>ST</sup> WEEK	5	REVISION								
22	2 <sup>ND</sup> WEEK	5	SEMESTER END EXAMINATIONS								
23	3 <sup>RD</sup> WEEK	6	SEMESTER END EXAMINATIONS								
24	4 <sup>th</sup> WEEK	6	SEMESTER END EXAMINATIONS								
			PAPER	- IV REAL ANALYSIS	S)						
			CLASS: II	B.Sc. FOURTH SEMES	STER						
				MONTH: NOVEMBER				-			
25	5 <sup>th</sup> WEEK	3	REAL NUMBERS	Teaching Classes	3 (	p de					
				MONTH: DECEMBER					,	<del></del> -	
26	1 <sup>ST</sup> WEEK	3	REAL SEQUENCES	Teaching Classes Problem solving Session	2 1 0	MANUEL					

			7.47							h :
27	2 <sup>ND</sup> WEEK	5	REAL SEQUENCES	Teaching Classes Problem solving Session	4	adula				
28	3 <sup>rd</sup> WEEK	6	REAL SEQUENCES	Teaching Classes Problem solving Session	5 1	S. dive				
29	4th WEEK	5	REAL SEQUENCES	Teaching Classes Problem solving Session	4	ordue to	(4) %			
30	5th WEEK	5	INFINITE SERIES	Teaching Classes Problem solving Session	3	ordine to	Classroom Seminor	1	andres	
			MONTI	H : JANUARY						<u>.</u>
31	1 <sup>ST</sup> WEEK	6	I MID EXAMINATIONS							
32	2 <sup>KD</sup> WEEK	2	INFINITE SERIES	Teaching Classes	2					
33	3 <sup>RD</sup> WEEK	4	INFINITE SERIES	Teaching Classes Problem solving Session	3					
34	4 <sup>TH</sup> WEEK	5	LIMITS AND CONTINUITY	Teaching Classes Problem solving Session	4					
35	5 <sup>th</sup> WEEK	2	LIMITS AND CONTINUITY	Teaching Classes	1		Classroom Seminor	1		
	<u> </u>		MONTH	I : FEBRUARY						
36	tst week	4	LIMITS AND CONTINUITY	Teaching Classes Problem solving Session	3					
37	2 <sup>ND</sup> WEEK	5	DIFFERENTIATION AND MEAN VALUE THEORMS	Teaching Classes Problem solving Session	4					

38	3 <sup>RD</sup> WEEK	6	II MID EXAMINATIONS	Teaching Classes Problem solving Session	4	Classroom Seminor	1	
39	a <sup>th</sup> WEEK	5	DIFFERENTIATION AND MEAN VALUE THEORMS	Teaching Classes Problem solving Session	1			
40	5 <sup>th</sup> WEEK	2	DIFFERENTIATION AND MEAN VALUE THEORMS	Teaching Classes	2			
			MO	NTH: MARCH				 
41	1 <sup>51</sup> WEEK	4	RIEMANN INTEGRATION	Teaching Classes Problem solving Session	3 1	Study Projects		
42	2 <sup>ND</sup> WEEK	5	RIEMANN INTEGRATION	Teaching Classes Problem solving	1	Book Reviews		 
43	3 <sup>RD</sup> WEEK	5	RIEMANN INTEGRATION	Teaching Classes Problem solving Session	1			 
44	4 <sup>111</sup> WEEK	5	RIEMANN INTEGRATION					 -
45	5 <sup>th</sup> WEEK	5	REVISION					 <u> </u>
		·	MO	ONTH: APRIL			$\overline{}$	 $\top$
46	t <sup>st</sup> WEEK	l	SEMESTER END EXAMINATIONS				-	 
47	2 <sup>ND</sup> WEEK	4	SEMESTER END EXAMINATIONS					-
48	3 <sup>RD</sup> WEEK	5	SEMESTER END EXAMINATIONS					

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Phil., B.Fd. Head of the Mathematics Department V.S.M. College RAMACHANDRAPURAM-533 255 S. Ramanyanent

SIGNATURE OF THE PRINCIPAL PRINCIPAL, V.S.M. COLLEGE (A) RAWACHANDRAPURAM-533 255, (E.G.D.)

# TABLE - A: : CURRICULUM PLAN - LECTURER -WISE FOR THE ACADEMIC YEAR 2015-16

**DEPARTMENT: MATHEMATICS** 

PAPER: I (DIFFERENTIAL EQUATIONS)

CLASS: I B.Sc. FIRST SEMESTER

			NAME OF THE LECTURER:	I I I I I I I I I I I I I I I I I I I							35.0	
1	બ્રૅ	112	i	ADDITIONAL	CURRICU	LAR ACTV		CO-CURE	RICULA	R ACTIV	VITY	
SERIAL	MONTH	HOURS	SYLLABUS TOPICS	INPUTS / VALUES ADDITION	ACTIVITY	HOURS	WHETHER CONDUCTED IF NOT, ALTERNATE DATE	ACTIVITY	HOURS ALLOTTED	WHETHER	IF NOT, ALTERNATE DATE	REMARKS
MON	TH: JULY	7										
4	1 <sup>ST</sup> WEEK	4	Differential equations of first order and first degree		Teaching Classes Problem solving Session	3	odine dine					
5	2 <sup>ND</sup> WEEK	5	Differential equations of first order and first degree		Teaching Classes Problem solving Session	4	Gallery &					
6	3 <sup>RD</sup> WEEK	5	Differential equations of first order and first degree		Teaching Classes Problem solving Session		Condition to the Condition of the Condit					
7	4 <sup>TH</sup> WEEK	6	Differential equations of first order and first degree		Teaching Classes Problem solving Session		Codies					
8	5 <sup>th</sup> WEEK		Differential equations of first order but not of first degree		Teaching Classes Problem solving Session	3 1	Conduction	Classroom Seminor	1	and used		
MON	TH: AUGU	IST									,	
9	1 <sup>ST</sup> WEEK		Differential equations of first order but not of first degree		Teaching Classes	1	ording.					

10000		17.65-4										
10	2 <sup>ND</sup> WEEK	5	Higher Order Linear Differential Equations with Constant Co-effficients	P	Ceaching Classes Problem solving Session	4 1	99					
11	3 <sup>RD</sup> WEEK	5	Higher Order Linear Differential Equations with Constant Co-effficients	P	Ceaching Classes Problem solving Session	4	Cordiago					
12	4 <sup>TH</sup> WEEK	6	Higher Order Linear Differential Equations with Constant Co-efficients	P	caching Classes roblem solving ession	4	Maria Maria	Classroom Seminor	1	(aduse		
13	5 <sup>th</sup> WEEK	6	Higher Order Linear Differential Equations with Constant Co-effficients	P	eaching Classes	5 1	E dilet					
MON	TH: SEPT	EMBE	R									
16	1 <sup>ST</sup> WEEK	5	MID EXAMINATIONS		roblem solving ession	2	Gal. Cha					
17	2 <sup>ND</sup> WEEK	5	Higher Order Linear Differential Equations with Constant Co-effficients	Pr	eaching Classes roblem solving ession	4	A STATE OF THE STA				-	
18	3 <sup>RD</sup> WEEK	5	Higher Order Linear Differential Equations with Non-Constant Co-effficients	Pr	eaching Classes roblem solving ession	4	No.					
19	4 <sup>TH</sup> WEEK	5	Higher Order Linear Differential Equations with Non-Constant Co-effficients	Pr	eaching Classes roblem solving ession	1	Contract of the second	7.2				
20	5 <sup>th</sup> WEEK	3	Higher Order Linear Differential Equations with Non-Constant Co-effficients	Te	eaching Classes	2	Secure Se	Classroom Seminor	1	Ordinate.		
MON'	гн : осто	BER										
21	1 <sup>ST</sup> WEEK	2	Higher Order Linear Differential Equations with Non-Constant Co-effficients		oblem solving	2	(Seeding &					
22	2 <sup>ND</sup> WEEK	5	MID EXAMINATIONS		oblem solving ssion	2	2 chucky					
23	3 <sup>RD</sup> WEEK	6	Partial Differential Equations	Pro	eaching Classes oblem solving ssion	5 1	S S S S S S S S S S S S S S S S S S S					

_				
24	4 <sup>th</sup> WEEK	0	DASARA HOLIDAYS	ordinate of the state of the st
25	5 <sup>th</sup> WEEK	6	Partial Differential Equations	Teaching Classes Problem solving Session  Classroom Seminor 1
MON	TH: NOV	EMBE	R	
26	1 <sup>ST</sup> WEEK	6	REVISION	Teaching Classes 6 Book Reviews Corolling
27	2 <sup>ND</sup> WEEK	4	REVISION	Teaching Classes 4 3 8
			PA	ER - II (SOLID GEOMETRY)
			CL	SS: I B.Sc. SECOND SEMESTER
MON	TH : DECE	EMBEF	₹	
31	1 <sup>ST</sup> WEEK	5	The Plane	Teaching Classes Problem solving Session  1
32	2 <sup>ND</sup> WEEK	5	The Plane	Teaching Classes Problem solving Session
33	3 <sup>rd</sup> WEEK	6	The Plane	Teaching Classes Problem solving Session  Teaching Classes 5 1
34	4th WEEK	3	Right Line	Teaching Classes Problem solving Session  Quiz
35	5th WEEK	4	Right Line	Teaching Classes Problem solving Session  Classroom Seminor  1

.

MON	TH: JANU	JARY			***		
36	1 <sup>ST</sup> WEEK	2	Right Line		Teaching Classes	2	Cardin Sep
37	2 <sup>ND</sup> WEEK	5	MID EXAMINATIONS		Problem solving Session	2	Conducto.
38	3 <sup>RD</sup> WEEK	0	PONGAL HOLIDAYS				co duscos
39	4 <sup>TH</sup> WEEK	6	Right Line		Teaching Classes Problem solving Session	5 1	or trees
40	5 <sup>th</sup> WEEK	5	Right Line	PayUS 16-51	Teaching Classes Problem solving Session	3	Classroom 1 Condition
MON	TH : FEBR	UARY					
41	i <sup>st</sup> WEEK	6	The Sphere		Teaching Classes Problem solving Session	5 1	Grand Study Grand
42	2 <sup>ND</sup> WEEK	5	The Sphere		Teaching Classes Problem solving Session	4	Book Reviews
43	3 <sup>RD</sup> WEEK	6	The Sphere		Teaching Classes Problem solving Session	5	
44	4 <sup>TH</sup> WEEK	6	The Sphere		Teaching Classes Problem solving Session	5 1	C. Diego
44	5TH WEEK	1	The Sphere		Problem solving Session	1	(gradustria)

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MON	TH: MAR	СН				
41	1 <sup>ST</sup> WEEK	5	MID EXAMINATIONS	Problem solving Session	2	Study Projects Cordus
42	2 <sup>ND</sup> WEEK	4	The Cone	Teaching Classes Problem solving	3 1	Book Reviews and the
43	3 <sup>RD</sup> WEEK	6	The Cone	Teaching Classes Problem solving Session	5 1	1100/1000
44	4 <sup>TH</sup> WEEK	4	The Cylinder	Teaching Classes Problem solving Session	3	
44	<sup>5TH</sup> WEEK	4	The Cylinder	Teaching Classes Problem solving Session	3	
MON	TH: APRIL				·	
41	1 <sup>ST</sup> WEEK	2	The Central Conicoid	Teaching Classes	2	Study Projects
42	2 <sup>ND</sup> WEEK	3	REVISION			Book Reviews
43	3 <sup>RD</sup> WEEK	3	REVISION			

Misam Limay
SIGNATURE OF THE LECTURER

SIGNATURE OF THE DEPARTMENT L/C

N.S.V. Kiran Kumar M.Sc., M.Phil., B.Ed., Head of the Mathematics Department V.S.M. College RAMACHANDRAPURAM-533 255 SIGNATURE OF THE PRINCIPAL

PRINCIPAL, V.S.M. COLLEGE (A) RAMACHANDRAPURAM-533 255, (E.G.Dt.)

## TABLE - A: : CURRICULUM PLAN - LECTURER -WISE FOR THE ACADEMIC YEAR 2015-16

**DEPARTMENT: MATHEMATICS** 

PAPER: III (LINEAR ALGEBRA AND VECTOR CALCULUS)

CLASS: III B.Sc.

NAME OF THE LECTURER: N.S.V.KIRAN KUMAR M.Sc., M.Phil., B.Ed.

		T	NAME OF THE LECTURER:									
	l _			ADDITIONAL	CURRICUI	LAR ACTV		CO-CURF	ICULA	R ACTI		
SERIAL	MONTH & WEEK	HOURS	SYLLABUS TOPICS	INPUTS / VALUES ADDITION	ACTIVITY	HOURS ALLOTTED	WHETHER CONDUCTED IF NOT, ALTERNATE DATE	ACTIVITY	HOURS ALLOTTED	WHETHER CONDUCTED	IF NOT, ALTERNATE DATE	REMARKS
				MONTH:	JUNE							<u> </u>
1	3 <sup>RD</sup> WEEK	3					····					
2	4 <sup>TH</sup> WEEK	6			TEACHING PAPER	- IV						
3	5 <sup>th</sup> WEEK	2									•	
				MONTH:	JULY	-					<del></del> .	
4	1 <sup>ST</sup> WEEK	4	<u> </u>				<del></del>					
5	2 <sup>ND</sup> WEEK	5										
6	3 <sup>RD</sup> WEEK	5		1	TEACHING PAPER	- IV						
7	4 <sup>TH</sup> WEEK	6										
8	5 <sup>th</sup> WEEK	5										
Ĺ				MONTH: A	UGUST		······································		:			
9	1 <sup>ST</sup> WEEK	1	•	<del></del>			<u> </u>					
10	2 <sup>ND</sup> WEEK	5										
11	3 <sup>RD</sup> WEEK	5		Т	EACHING PAPER -	IV						
12	4 <sup>TH</sup> WEEK	6										
13	5 <sup>th</sup> WEEK	6										

			MONT	TH: SEPTEMBER
16	1 <sup>ST</sup> WEEK	5		
17	2 <sup>ND</sup> WEEK	5	7	
18	3 <sup>RD</sup> WEEK	5	7	TEACHING PAPER - IV
19	4 <sup>TH</sup> WEEK	5	1	
20	5 <sup>th</sup> WEEK	3	1	
			MON	TH: OCTOBER
21	I <sup>ST</sup> WEEK	2	Vectorspace, General properties of Vectorspaces, problems on vectorspace	Teaching Classes 2
22	2 <sup>ND</sup> WEEK	5	Subspaces, Linear combination of vectors, Linear Span and Porperties of Linear Span, Linear independence and dependence of vectors.	Teaching Classes Problem solving Session
23	3 <sup>RD</sup> WEEK	6	Basisi and Dimensions.	Teaching Classes 4 Mid Examination 2 Control
24	4 <sup>th</sup> WEEK	0	DASARA HOLIDAYS	
25	5 <sup>th</sup> WEEK	6	Basisi and Dimensions	Teaching Classes 4 Classroom 1 Seminor 1
			MONT	H: NOVEMBER
26	1 <sup>ST</sup> WEEK	6	Linear Transformations	Teaching Classes Problem solving Session  1
27	2 <sup>ND</sup> WEEK	4	Linear Transformations	Teaching Classes Problem solving Session
28	3 <sup>RD</sup> WEEK	6	Vector Space Isomorphism, Half Yearly Exams	Teaching Classes Problem solving Session  2 1
29	4 <sup>th</sup> WEEK	6	Half Yearly Exams, Vector Space Isomorphism	Teaching Classes Problem solving 1 Session 1 Classroom Seminor
30	5 <sup>th</sup> WEEK	1	Matrix Linear Transformation	Teaching Classes 1 (3)

				MONTH: I	DECEMBER						7,00	
31	1 <sup>ST</sup> WEEK	5	Characterstic values and Characterstic vectors.		Teaching Classes Problem solving Session	4	Brolue 184				·-	
32	2 <sup>ND</sup> WEEK	5	Characterstic values and Characterstic vectors. Inner product space		Teaching Classes Problem solving Session	4	Golueta					
33	3 <sup>rd</sup> WEEK	6	Inner product space	=	Teaching Classes Problem solving Session	5	Bounday	11				
34	4th WEEK	3	Inner product space		Teaching Classes Problem solving Session	2	arelu das	QUIZ		Control of the second of the s		
35	5th WEEK	4	Multiple Integrals		Teaching Classes Problem solving	2	No.	Classroom Seminor	1	Ed well		
				MONTH:	JANUARY		-					
36	i <sup>st</sup> WEEK	2	Multiple Integrals	Add-on Program— Stagted	Mid Examination	2	A STAN					
37	2 <sup>ND</sup> WEEK	5	Multiple Integrals		Teaching Classes Problem solving Session	4	Conditate	30.000				
38	3 <sup>RD</sup> WEEK	0	PONGAL HOLIDAYS									
39	4 <sup>TH</sup> WEEK	6	Vector Differentiation		Teaching Classes Problem solving Session	5 1	dud dud					
40	5 <sup>th</sup> WEEK	5	Vector Integration		Teaching Classes Problem solving Session	3	and the second	Classroom Seminor	1	orduce orduce		

.

				MONTH: FEBRUARY	
41	1 <sup>ST</sup> WEEK	6	REVISION		Study Projects
42	2 <sup>ND</sup> WEEK	5	REVISION	Add-on Orogram Inded.	Book Reviews
43	3 <sup>RD</sup> WEEK		A.U. PRACTICAL EXAMINATIONS - 2016		
44	4 <sup>TH</sup> WEEK		A.U. PRACTICAL EXAMINATIONS - 2016		

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Phil., B.Fd., Head of the Mathematics Depart V.S.M. Cillege

RAMACHANDRAFURAM-573

SIGNATURE OF THE PRINCIPAL

PRINCIPAL, V.S.M. COLLEGE (/-)
RAMACHANDRAPURAM-533 255, (E.G.Dt.)

# TABLE - A: CURRICULUM PLAN - LECTURER -WISE FOR THE ACADEMIC YEAR 2015-16

**DEPARTMENT: MATHEMATICS** 

CLASS: III B.Sc.

PAPER: IV (NUMERICAL ANALYSIS)

			NAME OF THE LECTURER:	N.S.V.KIRA	N KUMAR M.Sc	., M.Ph	il., B.Ed.					
	-	l m		ADDITIONAL	CURRICUI	LAR ACTVI		CO-CUR	RICULA	AR ACTI		
SERIAL	MONTH & WEEK	HOURS	SYLLABUS TOPICS	INPUTS / VALUES ADDITION	ACTIVITY	HOURS	WHETHER CONDUCTED IF NOT, ALTERNATE DATE	ACTIVITY	HOURS	WHETHER	IF NOT, ALTERNATE DATE	REMARKS
MON	TH: JUNE	<u>C</u>										
1	3 <sup>RD</sup> WEEK	3	Errors and Their Accuracy		Teaching Classes Problem solving session	2	enduck					
2	4 <sup>TH</sup> WEEK	6	Errors and Their Accuracy Finate Differences and Interpolation		Teaching Classes Problem solving session	4	Dedus!	Classroom Seminor	1	. Gue Liet		
3	5 <sup>th</sup> WEEK	2	Finate Differences and Interpolation		Teaching Classes	2	Conduide .					
MON	TH: JULY	7										
4	i <sup>st</sup> WEEK	4	Finate Differences and Interpolation		Teaching Classes Problem solving session	3 1	o detail.					
5	2 <sup>ND</sup> WEEK	5	Solutions of Algebraic and Transcendental Equations		Teaching Classes Problem solving session	4	polite					
6	3 <sup>RD</sup> WEEK	5	Solutions of Algebraic and Transcendental Equations		Teaching Classes Problem solving session	4	ndul	91				
7	4 <sup>TH</sup> WEEK	6	Curve Fitting		Teaching Classes Problem solving session		godneti				,	
8	5 <sup>th</sup> WEEK	5	Curve Fitting	E.	Teaching Classes Problem solving session		Complete Com	Classroom Seminor	1	eordinis		

MON	TH : AUG	UST		
9	1 <sup>ST</sup> WEEK	1	Curve Fitting	Teaching Classes 1 codulity
10	2 <sup>ND</sup> WEEK	5	Solutions of Simultaneous Linear System of Equations	Teaching Classes Problem solving 1 country 1
11	3 <sup>RD</sup> WEEK	5	Solutions of Simultaneous Linear System of Equations	Teaching Classes Problem solving 1 cooling
12	4 <sup>TH</sup> WEEK	6	Numerical Integration	Teaching Classes 4 Classroom Seminor 1 Codulity
13	5 <sup>th</sup> WEEK	6	Numerical Integration	Teaching Classes 5 Problem solving session 1
MON	TH: SEPT	EMBE	R	
16	1 <sup>ST</sup> WEEK	5	Numerical Integration Numerical Differentiation	Teaching Classes Problem solving session
17	2 <sup>ND</sup> WEEK	5	Numerical Solutions of Ordinary Differential Equations	Teaching Classes Problem solving 1 000000000000000000000000000000000000
18	3 <sup>RD</sup> WEEK	5	Numerical Solutions of Ordinary Differential Equations	Teaching Classes 4 Classroom Seminor 1 module
19	4 <sup>TH</sup> WEEK	5	REVISION	Teaching Classes 5 Study Projects projects
20	5 <sup>th</sup> WEEK	3	REVISION	Teaching Classes 3 Book Reviews
MON.	тн : осто	BER		
21	I <sup>ST</sup> WEEK	2		
22	2 <sup>ND</sup> WEEK	5		
23	3 <sup>RD</sup> WEEK	6		TEACHING PAPER - III & Mid Examination - I
24	4 <sup>th</sup> WEEK	0		
25	5 <sup>th</sup> WEEK	6		

MON	TH: NOVI	MBER							 	
26	1 <sup>ST</sup> WEEK	6								
27	2 <sup>ND</sup> WEEK	4								
28	3 <sup>RD</sup> WEEK	6		TEACHING !	PAPER - III, HALF	YEAR EXA	MINAT	IONS		
29	4 <sup>th</sup> WEEK	6								
30	5 <sup>th</sup> WEEK	1								
MON	TH: DECE	MBER								 
31	1 <sup>ST</sup> WEEK	5								
32	2 <sup>ND</sup> WEEK	5								
33	3 <sup>rd</sup> WEEK	6		Т	EACHING PAPER	- III & QUI2	Z			
34	4th WEEK	3								
35	5th WEEK	4							 	
MON	TH: JANU	ARY							 	
36	I <sup>ST</sup> WEEK	2								
37	2 <sup>ND</sup> WEEK	5								
38	3 <sup>RD</sup> WEEK	0		TEACHI	NG PAPER - III &	Mid Examina	tion - I	I		
39	4 <sup>TH</sup> WEEK	6								
40	5 <sup>th</sup> WEEK	5							 	
MON'	TH: FEBR	UARY								
41	1 <sup>ST</sup> WEEK	6	REVISION							
42	2 <sup>ND</sup> WEEK	5	REVISION							
43	3 <sup>RD</sup> WEEK		A.U. PRACTICAL							
43	3 WEEK		EXAMINATIONS - 2016							
44	4 <sup>TH</sup> WEEK		A.U. PRACTICAL						1	
44	4 WEEK		<b>EXAMINATIONS - 2016</b>		<u> </u>		$\perp$			

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Character of M.Sc., M.Phil., B.Ed.,

M.Sc., M.Phil., B.Ed.,

Head of the Mathematics Department

V.S.M. College RAMACHANDRAPURAM-533 255

SIGNATURE OF THE PRINCIPAL

PRINCIPAL, V.S.M. COLLEGE (A)
RAMACHANDRAPURAM-533 Z55, (E.G.Dt.)

### TABLE - A: : CURRICULUM PLAN - LECTURER -WISE FOR THE ACADEMIC YEAR 2015-16

**DEPARTMENT: MATHEMATICS** 

PAPER: I (DIFFERENTIAL EQUATIONS)

CLASS: I B.Sc. FIRST SEMESTER

NAME OF THE LECTURER: Kum. K. NAGA MANI M.Sc.

	જ	٤ı		ADDITIONAL	CURRICU	LAR ACTV			RICULAR ACTI		
SERIAL	MONTH	HOURS	SYLLABUS TOPICS	INPUTS / VALUES ADDITION	ACTIVITY	HOURS	WHETHER CONDUCTED IF NOT, ALTERNATE DATE	ACTIVITY	HOURS ALLOTTED WHETHER CONDUCTED	IF NOT, ALTERNATE DATE	REMARKS
MON	TH: JULY	,			•						
4	1 <sup>ST</sup> WEEK	4	Differential equations of first order and first degree		Teaching Classes Problem solving Session	3 1	endule				
5	2 <sup>ND</sup> WEEK	5	Differential equations of first order and first degree		Teaching Classes Problem solving Session		extude				
6	3 <sup>RD</sup> WEEK	5	Differential equations of first order and first degree		Teaching Classes Problem solving Session	10000	odulis				
7	4 <sup>TH</sup> WEEK	6	Differential equations of first order and first degree		Teaching Classes Problem solving Session	4	control	Classroom Seminor	1 Extings	,	
8	5 <sup>th</sup> WEEK	- 1	Differential equations of first order but not of first degree		Teaching Classes Problem solving Session		ondull.				
MON	TH : AUGU	ST									
9	1 <sup>ST</sup> WEEK		Differential equations of first order but not of first degree		Teaching Classes	1	Sredult.				

10	2 <sup>ND</sup> WEEK	5	Higher Order Linear Differential Equations with Constant Co-effficients	Teaching Classes Problem solving Session  4  1  1  1  1  1  1  1  1  1  1  1  1	
11	3 <sup>RD</sup> WEEK	5	Higher Order Linear Differential Equations with Constant Co-effficients	Teaching Classes Problem solving Session  Problem Solving	
12	4 <sup>TH</sup> WEEK	6	Higher Order Linear Differential Equations with Constant Co-effficients	Teaching Classes Problem solving Session  5 1	
13	5 <sup>th</sup> WEEK	6	Higher Order Linear Differential Equations with Constant Co-efficients	Teaching Classes Problem solving Session  Classroom Seminor  1 Under the seminor of the seminor	
MON	TH : SEPT	EMBE	R		
16	1 <sup>ST</sup> WEEK	5	MID EXAMINATIONS	Problem solving Session 2	
17	2 <sup>ND</sup> WEEK	5	Higher Order Linear Differential Equations with Constant Co-effficients	Teaching Classes Problem solving Session  1 Problem Solving	
18	3 <sup>RD</sup> WEEK	5	Higher Order Linear Differential Equations with Non-Constant Co-effficients	Teaching Classes Problem solving Session	
19	4 <sup>TH</sup> WEEK	5	Higher Order Linear Differential Equations with Non-Constant Co-effficients	Teaching Classes Problem solving Session  Classroom Seminor  1 Out 1	
20	5 <sup>th</sup> WEEK	3	Higher Order Linear Differential Equations with Non-Constant Co-effficients	Teaching Classes 3 graduly	
MON'	гн : осто	BER			
21	1 <sup>ST</sup> WEEK	2	Higher Order Linear Differential Equations with Non-Constant Co-effficients	Problem solving Session 2	
22	2 <sup>ND</sup> WEEK	5	MID EXAMINATIONS	Problem solving 2 Session 2	
23	3 <sup>RD</sup> WEEK	6	Partial Differential Equations	Problem solving 1 Session 1 Classroom Seminor 1	

24	4 <sup>th</sup> WEEK	0	DASARA HOLIDAYS	
25	5 <sup>th</sup> WEEK	6	Partial Differential Equations	Teaching Classes Problem solving Session  5 1 Corduit
MON	TH: NOVI	EMBE	R	
26	I <sup>ST</sup> WEEK	6	REVISION	Teaching Classes 6 Reviews Reviews
27	2 <sup>ND</sup> WEEK	4	REVISION	Teaching Classes 4 condustr
			P	PER - II (SOLID GEOMETRY)
			CL	ASS: I B.Sc. SECOND SEMESTER
MON	TH : DECE	емвег	L Company	
31	1 <sup>ST</sup> WEEK	5	The Plane	Teaching Classes Problem solving Session  1 Voichit
32	2 <sup>ND</sup> WEEK	5	The Plane	Teaching Classes Problem solving Session  Teaching Classes 4 Problem solving 1
33	3 <sup>rd</sup> WEEK	6	The Plane	Teaching Classes Problem solving Session  1 Classroom Seminor 1 contact the session of the sessi
34	4th WEEK	3	Right Line	Teaching Classes Problem solving Session  Teaching Classes 2 Problem solving 1 Cuiz Cuiz Cuiz
35	5th WEEK	4	Right Line	Teaching Classes Problem solving Session  Teaching Classes 3 1  Children

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36	1 <sup>ST</sup> WEEK	2	Right Line			13	T	<del></del>		
		┼	-	Teac	hing Classes 2	2 Production				
37	2 <sup>ND</sup> WEEK	5	MID EXAMINATIONS	Probl Sessi	em solving on 2			1	_	+
38	3 <sup>RD</sup> WEEK	0	PONGAL HOLIDAYS			- core	-		-	+
39	4 <sup>TH</sup> WEEK	6	Right Line	Teach Proble Session	ing Classes m solving 4	conduct.	Classroom	1	<b>1</b>	+-
40	5 <sup>th</sup> WEEK	5	Right Line	Teachi Probles	ng Classes n solving 4	conduite	Seminor	Gryn	J. J.	-
ONT	H : FEBRU	JARY		Session	1 '	core				
1	1 <sup>ST</sup> WEEK	6	The Sphere	Problem	g Classes 5 1	adueta	Study	رزيا	T	T-
2	2 <sup>ND</sup> WEEK	5	The Sphere	Problem	g Classes 4	CEPALUE D	Projects Book	reducted.	-	-
3 :	3 <sup>RD</sup> WEEK	6	The Sphere	Session Teaching Problem	· Cl-·	Corpueta	Reviews	nor		-
4	TH WEEK	6 T	The Sphere	Session Teaching Problem	Classes 5 5	Serdine tid	-	+	-	
5	TH WEEK	1 T	he Sphere	Session Problem s		Brec ed	-			

41	1 <sub>21</sub> MEEK	5	MID EXAMINATIONS	Problem solving Session	2		Study	conduct a		_
42	2 <sup>ND</sup> WEEK	4	The Cone	Teaching Classes Problem solving	3		Projects Book	andrie		+
43	3 <sup>RD</sup> WEEK	6	The Cone	Teaching Classes Problem solving Session	5	++	Reviews	au l		+
44	4 <sup>TH</sup> WEEK	4	The Cylinder	Teaching Classes Problem solving	3	+		H	-	+-
44	STH WEEK	4	The Cylinder	Session Teaching Classes Problem solving	3				+	+-
1ON	TH: APRIL			Session	1 1					
41	1 <sup>ST</sup> WEEK	2	The Central Conicoid	Teaching Classes	2		Study			
42	2 <sup>ND</sup> WEEK	3 .	REVISION		-		Projects Book			<del> </del>
13	3 <sup>RD</sup> WEEK	3	REVISION				Reviews		<del> </del>	

SIGNATURE OF THE LECTURER

SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Phil., B.Ed., Head of the Mathematics Department V.S.M. College RAMACHANDRAFURANI-5-3

SIGNATURE OF THE PRINCIPAL PRINCIPAL, V.S.M. COLLEGE (A)
RAMACHANDRAPURAM-533 255, (E.G.Dt.)

### TABLE - A: : CURRICULUM PLAN - LECTURER -WISE FOR THE ACADEMIC YEAR 2015-16

**DEPARTMENT: MATHEMATICS** 

PAPER: I (DIFFERENTIAL EQUATIONS)

CLASS: I B.Sc. FIRST SEMESTER

NAME OF THE LECTURER: Kum.G. NAGA UMA MAHESWARLSc.

	e8	Fi		ADDITIONAL	CURRICU	LAR ACTV		CO-CURI	RICULA	R ACTIV	/ITY	
SERIAL	MONTH	HOURS	SYLLABUS TOPICS	INPUTS / VALUES ADDITION	ACTIVITY	HOURS	WHETHER CONDUCTED IF NOT, ALTERNATE DATE	ACTIVITY	HOURS	WHETHER CONDUCTED	IF NOT, ALTERNATE DATE	REMARKS
MON	MONTH: JULY											
4	1 <sup>ST</sup> WEEK	4	Differential equations of first order and first degree		Teaching Classes Problem solving Session	3 1	Carried State of the State of t					
5	2 <sup>ND</sup> WEEK	5	Differential equations of first order and first degree		Teaching Classes Problem solving Session		Belicker					
6	3 <sup>RD</sup> WEEK	5	Differential equations of first order and first degree		Teaching Classes Problem solving Session	3	Se Curte	Classroom Seminor	1	Solution of the state of the st		
7	4 <sup>TH</sup> WEEK	n	Differential equations of first order and first degree		Teaching Classes Problem solving Session	5 1	B. C.					
8	5 <sup>th</sup> WEEK		Differential equations of first order but not of first degree	11.	Teaching Classes Problem solving Session	4 1	o di di di di di di di di di di di di di					
MON	MONTH: AUGUST											
9	1 <sup>ST</sup> WEEK		Differential equations of first order but not of first degree		Teaching Classes	1	Agricula.					

10	2 <sup>ND</sup> WEEK	5	Higher Order Linear Differential Equations with Constant Co-effficients	Teaching Classes Problem solving Session	
11	3 <sup>RD</sup> WEEK	5	Higher Order Linear Differential Equations with Constant Co-effficients	Teaching Classes Problem solving Session  Classroom Seminor  1	
12	4 <sup>TH</sup> WEEK	6	Higher Order Linear Differential Equations with Constant Co-effficients	Teaching Classes Problem solving Session	
13	5 <sup>th</sup> WEEK	6	Higher Order Linear Differential Equations with Constant Co-effficients	Teaching Classes 5 Problem solving 1 Session	
MON	TH : SEPT	EMBE	P.R.		
16	1 <sup>ST</sup> WEEK	5	MID EXAMINATIONS	Problem solving Session 2	
17	2 <sup>ND</sup> WEEK	5	Higher Order Linear Differential Equations with Constant Co-effficients	Teaching Classes Problem solving Session	
18	3 <sup>RD</sup> WEEK	5	Higher Order Linear Differential Equations with Non-Constant Co-effficients	Teaching Classes Problem solving Session	
19	4 <sup>TH</sup> WEEK	5	Higher Order Linear Differential Equations with Non-Constant Co-effficients	Teaching Classes Problem solving Session  Classroom Seminor 1	
20	5 <sup>th</sup> WEEK	3	Higher Order Linear Differential Equations with Non-Constant Co-effficients	Teaching Classes 3	
MON	тн : осто	DBER			
21	I <sub>st</sub> WEEK	2	Higher Order Linear Differential Equations with Non-Constant Co-effficients	Problem solving Session 2	
22	2 <sup>ND</sup> WEEK	5	MID EXAMINATIONS	Problem solving Classroom Seminor 1	
23	3 <sup>RD</sup> WEEK	6	Partial Differential Equations	Teaching Classes Problem solving Session  Teaching Classes 5 Problem solving 1	
	7.00				

12				
24	4 <sup>th</sup> WEEK	0	DASARA HOLIDAYS	
25	5 <sup>th</sup> WEEK	6	Partial Differential Equations	Teaching Classes Problem solving Session  5 1 Codd  1
MON	TH: NOV	EMBE	R	
26	IST WEEK	6	REVISION	Teaching Classes 6 total Reviews adult
27	2 <sup>ND</sup> WEEK	4	REVISION	Teaching Classes 4 collection
				APER - II (SOLID GEOMETRY)
			CI	ASS: I B.Sc. SECOND SEMESTER
MON	TH : DECE	смвен	2	
31	I <sup>ST</sup> WEEK	5	The Plane	Teaching Classes Problem solving Session  1
32	2 <sup>ND</sup> WEEK	5	The Plane	Teaching Classes Problem solving Session  Classroom Seminor  1
33	3 <sup>rd</sup> WEEK	6	The Plane	Teaching Classes Problem solving Session
34	4th WEEK	3	Right Line	Teaching Classes Problem solving Session Quiz
35	5th WEEK	4	Right Line	Teaching Classes Problem solving Session  Teaching Classes 3 1 0 0

MON	TH: JAN	UARY								
36	I <sup>ST</sup> WEEK	2	Right Line	Teaching Classes	2	Golf effe				
37	2 <sup>ND</sup> WEEK	5	MID EXAMINATIONS	Problem solving Session	1	A A A A A A A A A A A A A A A A A A A	Classroom Seminor	1	Should State of the State of th	
38	3 <sup>RD</sup> WEEK	0	PONGAL HOLIDAYS	31						İ
39	4 <sup>TH</sup> WEEK	6	Right Line	Teaching Classes Problem solving Session	5 1	S D D D D D D D D D D D D D D D D D D D				
40	5 <sup>th</sup> WEEK	5	Right Line	Teaching Classes Problem solving Session	4	O Diago				
MON	TH : FEBR	UARY	,							
41	l <sup>st</sup> WEEK	6	The Sphere	Teaching Classes Problem solving Session	5	Conductor				
42	2 <sup>ND</sup> WEEK	5	The Sphere	Teaching Classes Problem solving Session	4	colucal				
43	3 <sup>RD</sup> WEEK	6	The Sphere	Teaching Classes Problem solving Session	5 1	mucke	Book Reviews	W AUG		
44	4 <sup>TH</sup> WEEK	6	The Sphere	Teaching Classes Problem solving Session	5 1	ENLICE	Study Projects	Enductor		
44	STH WEEK	1	The Sphere	Problem solving Session	1	endual				

MON	TH: MARC	CH				
41	IST WEEK	5	MID EXAMINATIONS	Problem solving Session	2	
42	2 <sup>ND</sup> WEEK	4	The Cone	Teaching Classes Problem solving	3 1	
43	3 <sup>RD</sup> WEEK	6	The Cone	Teaching Classes Problem solving Session	5	Study Projects gudu Ve
44	4 <sup>TH</sup> WEEK	4	The Cylinder	Teaching Classes Problem solving Session	3 1	
44	STH WEEK	4	The Cylinder	Teaching Classes Problem solving Session	3	Book Reviews Conduction
MON	TH: APRII					<del></del>
41	I <sup>ST</sup> WEEK	2	The Central Conicoid	Teaching Classes	2	Study Projects
42	2 <sup>ND</sup> WEEK	3	REVISION			Book Reviews
43	3 <sup>RD</sup> WEEK	3	REVISION			

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SIGNATURE OF THE DEPARTMENT I/C

N.S.V. Kiran Kumar M.Sc., M.Phil., B.Ed., Head of the Mathematics Department V.S.M. College RAMACIA RAMARAM-533 255 SIGNATURE OF THE PRINCIPAL

PRINCIPAL, V.S.M. COLLEGE (A)
PAMACHANDRAPURAM-533 255, (E.G.Dt.)