### Dayanand Mahila Mahavidyalaya, Kurukshetra Lesson Plan (Odd Semester) Session 2021-22 (08.10.2021 to 22.02.2022) Name of Teacher:-Dr. Upasana Ahuja

Subject :-MATHS

ſ	Week	Date	Class :-B.A,	Class:-B.A,	Class :-
			Subject:- Groups	Subject:-algebra	B.A,Subject:-
			and Ring		advance calculus
			Somostor: 5th	Somostor · 1st	Somostor: 3rd
ŀ		08 10 2021	SemesterStil	Orientation Course	SemesterSru
ŀ		09.10.2021		Orientation Course	<u> </u>
ŀ		11 10 2021	ch-1	Introduction to	Introduction of
		11.10.2021	introduction.binary	new course	svllabus
			operation.some		<i>cy</i> 1100 00
			properties of		
			binary		
			operation,algebraic		
ŀ		12.10.2021	order of	Introduction to	Preliminary
			group,finite and	matrices, types of	
			infinite groups,	matrices	
ľ		13.10.2021	based examples	Types of matrices-	ch-1 continuous
				symmetric, skew-	and discontinuous
				symmetric	functions
ſ		14.10.2021	integral power of	Types of matrices	Theorem based on
			element,general	with properties and	continuous
			properties of group	examples	functions
L					
L		15.10.2021		Dussehra	
		16.10.2021	based examples	Types of matrices	Examples on
				with properties and	continuous
				examples	functions
ŀ		19 10 2021		Deule of motions	<b>F</b> 1
		18.10.2021	group related	wing determinet	examples on
			theorems	method	functions
ŀ		10 10 2021	hased examples	Ponk of matrices	Liniform continuity
		19.10.2021	based examples	using determinat	and based
				method	theorems
ŀ		20 10 2021	Mal	harishi Balmiki Jav	anti
ŀ		21.10.2021	complexes and	Elementry row and	Examples on
			subgroup of a	column operations	uniform continuity
			group		
ŀ		22.10.2021	related theorems	Row	Examples on
				equivalent,collumn	uniform continuity
				equivalent and	
				equivalent	

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups and Ring	Subject:-algebra	B.A,Subject:- advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	23.10.2021	product and interection of subgroups,related theorem	Row and column echelon matrices,row and column	Doubts of ch-1
	25.10.2021	based examples	Row and column echelon matrices,row and column	ch-2 Derivability of a function and based examples
	26.10.2021	based examples	Normal form of a matrix and elementry matrix	Darboux theorem and Rolle's theorem
	27.10.2021	cyclic group,some theorems on cyclic group	Examples to find rank of matrix by reducing to normal	Examples on Rolle's theorem
	28.10.2021	based examples	Examples to find rank of matrix by reducing to normal	Langrange's mean value theorem and based examples
	29.10.2021	problem related to ch-1	Inverse of a matrix using elementry opreations	cauchy mean value theorem and based examples
	30.10.2021	test of ch-1	Linear depedence and independence	Taylor's theorem and based examples
	31.10.2021 to 07.11.2021		Diwali Vacations	
	08.11.2021	ch-2 cosets,some theorem on cosets	Linear depedence and independence	Test of ch-1
	09.11.2021	based examples	Characterstic polynomial, equation,eigen values	ch-3 Introduction of indeterminant forms
	10.11.2021	index of subgroups,relation of congruence modulo,lagrange theorem	Characterstic polynomial, equation,eigen values	Examples of 3.1
	11.11.2021	normsl subgroups,simple group,some theorem	Cayley-hamilton theorems and its use in findig inverse	Based examples

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester1st	Semester-3rd
	12 11 2021	quotient	Cayley-hamilton	Examples of 3.2
	12.11.2021	group some	theorems and its	Examples of 5.2
		theorem and	use in findig	
		examples	inverse	
	13 11 2021	queires related to	Monic polynomial	Revision
	15.11.2021	ch-2	minimal	
			polynomial and	
			equation	
			equation	
	15.11.2021	ch-3	Monic polynomial,	Examples of 3.3
		introduction,homo	minimal	
		morphism and	polynomial and	
		isomorphism of	equation	
		groups		
	16.11.2021	some theorems	Applications of	Based examples
			matrices to a	
			system of linear	
	17.11.2021	based examples	Applications of	Doubts of ch-3
			matrices to a	
			system of linear	
	18.11.2021	fundamental	Sessional	Test of ch-3
		theorem on		
		homomorphism of		
		group, second, third		
		theorem of		
		isomorphism		
	10 11 2021		 	nti
	20 11 2021	automorphism of	Applications of	ch-4 Introduction
	20.11.2021	group and	matrices to a	of limit and
		examples	system of linear	continuity of
		examples	system of mea	functions
	22.11.2021	l I	I NAAC TEAM VISI	T
	23.11.2021	ľ	NAAC TEAM VISI	Г
	24.11.2021	group of	Theorems on	Based theorems
		automorphism of	consistecy of a	
		group,inner	system of liner	
		automorphism		
	25.11.2021	some theorems	Theorems on	Based examples
			consistecy of a	
			system of liner	
	26.11.2021	based examples	Theorems on	Algebra of
			consistecy of a	continuous
			system of liner	functions

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and King		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	27.11.2021	center of a	Assignment	Based examples
		group,theorem		
	29.11.2021	example related to	Unitary and	Doubts of ch-4
		center and	orthogonal	
		characteristics	examples	
	30.11.2021	normalizer,some	Unitary and	ch-5 Introduction
		theorem	orthogonal	of partial
			matrices with	differentiation
			examples	
	01.12.2021	commutator and	Bilinear and	Based examples
		some theorems	quardratic forms	
			with examples	
	02.12.2021	problem related to	Bilinear and	Based examples
		ch-3	quardratic forms	
			with examples	
	03.12.2021	test of ch-3	Synthetic division	Homogeneous
			and examples	functions and
	04 12 2021		Dalation hotanon	Dased theorems
	04.12.2021	groups product of	the roots and	based examples
		permutation examp	coefficient of	
		les	general	
	06.12.2021	identify	Relation between	Based examples
	0000202020	permutation, invers	the roots and	2 ab car champing
		e	coefficient of	
		permutation,symm	general	
		etric group		
	07.12.2021	cyclic	Relation between	Total
		permutation,transp	the roots and	differentiation and
		osition, alternating	coefficient of	based theorems
		group,cayley	general	
	00.10.0001	theorem		
	08.12.2021	problem related to	Solution of	Based examples
		CII-4	polynomial	
			conditions	
	09.12.2021	test of ch-4	Assignment	Based examples
	10.12.2021	ch-5 introduction	Common roots and	Implicit functions
		ring,types of ring	multipal roots	and based
			examples	examples
	11.12.2021	examples of ring	Common roots and	Taylor's theorem
			multipal roots	and based
			examples	examples

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	13.12.2021	integral	Common roots and	Doubts of ch-5
		domain.division	multipal roots	
		ring,field	examples	
	14.12.2021	some theorems	Transformation of	Assignment
			equation with	
			different	
	15.12.2021	based examples	Transformation of	Test of ch-2
			equation with	
			different	
	16.12.2021	subring,some	Transformation of	ch-6 Introduction
		theorems on	equation with	of chapter
		subring	different	
	17.12.2021	center of	Transformation of	Examples of 6.1
		ring,examples	equation with	
			different	
	18.12.2021	characteristic of	Transformation of	Examples of 6.1
		ring, some theorems	equation with	
			different	
	20.12.2021	problem related to	Solutions of cubic	Young's theorem
		ch-5	and biquadratic	and Schwartz's
			equation	theorem
	21.12.2021	assignment	Cardan's method of	Based examples
			solving a cubic	
			equation, examples	
			~	<b>D</b> 1 0 1 6
	22.12.2021	ch-6	Cardan's method of	Doubts of ch-6
		introduction, some	solving a cubic	
		definition of	equation, examples	
		ideals, sum and		
	00.10.0001	product of ideals		
	23.12.2021	related theorems	Cardan's method of	Test of ch-6
			solving a cubic	
			equation, examples	
	24 12 2021	laggional	Condon's mothed of	
	24.12.2021	sessional	Cardan's method of	
			equation examples	
			equation, examples	
	25.12.2021		Christmas	
	27.12.2021	simple	Test	ch-7 Introduction
		ring,theorems,prim		of maximum and
		e ideal		minimum
	28.12.2021	principle ideal	Test	Based theorems
		domain,theorem		
		-		

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups and Ring	Subject:-algebra	B.A,Subject:- advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	29.12.2021	maximal ideal,prime ideal,co maximal ideal	Test	Based examples
	30.12.2021	based examples	Cardan's method of solving a cubic equation, examples	Remaining examples
	31.12.2021	quotient ring	Cardan's method of solving a cubic equation, examples	Langrange's method and based examples
	01.01.2022	based theorems	Sessional	Doubts oh ch-7
	03.01.2022	problem related to ch-6	Descarte's solution of the biquadratic, examples	ch-8 Introduction of curves in space
	04.01.2022	test of ch-6	Descarte's solution of the biquadratic, examples	Examples of 8.1
	05.01.2022	ch-7 ring homomorphism,ba sed theorms	Descarte's solution of the biquadratic, examples	Equation of tangent line and based examples
	06.01.2022	kernel of ring homomorphism,the orem,based examples	Descarte's solution of the biquadratic, examples	Osculating plane and based examples
	07.01.2022	fundamental theorem on homomorphism of ring,second,third theorem of isomorphism	Test	Fundamental unit vectors and based examples
	08.01.2022	based examples	Descarte's solution of the biquadratic, examples	Remaining examples
	10.01.2022	embedded ring,field of quotient of integral domain	Test	doubts of ch-8

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	11.01.2022	based examples	Descarte's solution	ch-9 Introduction
			of the biquadratic,	of curcle of
			examples	curvature and
				spherical curvature
	12 01 2022	problem related to	Test	Properties of locus
	12:01:2022	ch-7	1050	of the centre of
				curvature
	13.01.2022	ch-8	Test	Properties of locus
		introduction, divisib		of the centre of
		ility in		curvature
		ring theorems		
	14 01 2022	nrime	Test	Based examples
	14.01.2022	element.irreducible	1030	Dased examples
		element,g.c.d,l.c.m,		
		theorems		
	15.01.2022	euclidean	Ferrari method of	Test of ch-8
		rings,examples	solving a	
			biquadratic,	
	17.01.2022	nrincinle ideal	Eerrari method of	ch-10 Introduction
	17.01.2022	domain.theorem	solving a	of involutes and
			biquadratic,	evolutes
			examples	
	18.01.2022	based theorems	Ferrari method of	Curvature and
		and examples	solving a	torsion of involute
			biquadratic,	
	10.01.2022	nrohlem related to	Earrari mathod of	Derivations of
	19.01.2022	ch-8	solving a	torsion.evolutes
			biquadratic,	ionsion,e volutes
			examples	
	20.01.2022	test of ch-8	Sessional	Examples of
				curvature,torsion,in
				voluteand evolutes
	21.01 2022	ch-9 polynomial	Ferrari method of	ch-11 Introduction
	-1.01.2022	ring, theorems	solving a	of concept of
			biquadratic,	surface and
			examples	envelopes

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	22.01.2022	based examples	Test	Class of
				surface, singularity of a surface
	24.01.2022	based examples	Test	Parametric curves ,tangent plane and normal
	25.01.2022	problem related to ch-9	Descarte's rule of signs	Cartesian form of equations of the tangent plane
	26.01.2022		Republic Day	•
	27.01.2022	problem related to ch-9	Test	Based examples
	28.01.2022	test of ch-9	Test	Family of surfaces,characteri stic curve of family of surfaces
	29.01.2022	problem related to unit-1	Descarte's rule of signs	Test
	31.01.2022	problem related to unit-1	Continuation or permanence of signs	Envelope and based upon theorem
	01.02.2022	test of unit-1	Complex roots	Edge of regression and based upon theorem
	02.02.2022	problem related to unit-2	Revision	Examples of regression
	03.02.2022	problem related to unit-2	Revision	Examples of regression
	04.02.2022	test of unit-2	Revision	Doubts
	05.02.2022		Basant Panchami	
	07.02.2022	problem related to unit-3	problem related to unit-3	Revision of unit 1
	08.02.2022	problem related to unit-3	problem related to unit-3	Revision of unit 1
	09.02.2022	test of unit-3	test of unit-3	Test of unit 1
	10.02.2022	problem related to unit-4	problem related to unit-4	Revision of unit 2
	11.02.2022	problem related to unit-4	problem related to unit-4	Revision of unit 2
	12.02.2022	test of unit-4	test of unit-4	Test of unit 2
	14.02.2022	revision of unit-1 and unit-2	revision of unit-1 and unit-2	Revision of unit 3

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	15.02.2022	test of unit-1 and	test of unit-1 and	Revision of unit 3
		unit-2	unit-2	
	16.02.2022	0	uru Ravidas Jayan	ti
	17.02.2022	revision of unit-3	revision of unit-3	Test of unit 3
		and unit-4	and unit-4	
	18.02.2022	test of unit-3 and	test of unit-3 and	Revision of unit 4
	10.00.000	unit-4	unit-4	
	19.02.2022	revision of full	revision of full	Revision of unit 4
	01.00.0000	syllabus	syllabus	T
	21.02.2022	revision of full	revision of full	Testof unit 4
	22.02.2022	syllabus	syllabus	
	22.02.2022	full test	full test	syllabus t
		Class:-		
		B.Com(Gen.)		
Week	Date	Subject:-business		
		mathematics		
		Semester:-1st		
	08.10.2021	Orientati	on Course	1
	09.10.2021	Orientati	on Course	-
	11.10.2021	Bridge Course		
	12.10.2021	Bridge Course		]
	13 10 2021	Introduction to		
	15.10.2021	matrices		
		Defination of		
	14.10.2021	matrices and its		
	15 10 2021	types		]
	15.10.2021	Duss	senra	1
	16.10.2021	matrices		
		Examples of		
		addition, subtractio		
	18.10.2021	n,scaler		
		multiplication of		
		matrices		-
		Examples of		
		addition, subtractio		
	19.10.2021	n,scaler		
		multiplication of		
	20.10.2021	matrices	 	J
	20.10.2021	Maharishi Ba	aimiki Jayanti	1
	21 10 2021	Examples of matrix		
	21.10.2021	multiplication		
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Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:- advance calculus
				auvance carculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	22.10.2021	Examples of matrix multiplication		
	23.10.2021	Problems related to chapter		
	25.10.2021	Properties of determinant		
	26.10.2021	Calculation of values of determinants upto third order		
	27.10.2021	Examples of calculation of values of determinants upto third order		
	28.10.2021	Examples of calculation of values of determinants upto third order		
	29.10.2021	adjoint of matrix		
	30.10.2021	Examples of adjoint of a matrix		
	31.10.2021 to 07.11.2021	Diwali V	acations	
	08.11.2021	Examples of adjoint of a matrix		
	09.11.2021	Elementary row or column operations		
	10.11.2021	Elementary row or column operations		
	11.11.2021	Examples of elementary row or column operations		
	12.11.2021	Examples of elementary row or column operations		

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	12 11 2021	Test of adjoint of		
	13.11.2021	matrix		
		Finding inverse of		
	15.11.2021	matrix through		
		adjoint		
		Examples of		
	16 11 2021	finding inverse of		
	10.11.2021	matrix through		
		adjoint		
		Examples of		
	17 11 2021	finding inverse of		
	17.11.2021	matrix through		
		adjoint		
		Finding inverse of		
		matrix through		
	18.11.2021	elementary row		
		and column		
		operations		
	19.11.2021	Guru Nanak	Dev Jayanti	
	20.11.2021	ch-4		
	22.11.2021	NAAC TE	AM VISIT	
	23.11.2021	NAAC TE	AM VISIT	1
		Finding inverse of		
		matrix through		
	24.11.2021	elementary row		
		and column		
		operations		
		-		
		Finding inverse of		
		matrix through		
	25.11.2021	elementary row		
		and column		
		operations		
	26.11.2021	Doubts		
	27 11 2021	Test and		
	27.11.2021	assignment		
		Solutions of		
		system of linear		
		equations having		
	29.11.2021	unique solutions		
		and involving not		
		more than three		

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		<u> </u>		
		Semester:-5th	Semester :-1st	Semester:-3rd
		Examples of		
		solutions of		
		system of linear		
	30.11.2021	equations having		
		unique solutions		
		more than three		
		variables		
		Examples of		
		solution of system		
		of linear		
	01.12.2021	equations having		
		and involving not		
		more than three		
		variables		
		Examples of		
		solutions of system of linear		
		equations having		
	02.12.2021	unique solutions		
		and involving not		
		more than three		
		variables		
	03.12.2021	Doubts of chapter		
	04 10 2021	introduction to		
	04.12.2021	logarithms		
		different		
	06.12.2021	rules,properties		
		of logarithms		
	07.12.2021	logarithms		
	09 10 2021	Examples of		
	08.12.2021	logarithms		
		Characterstics,		
	09.12.2021	Mantissa based		
		examples		
	10 12 2021	Unaracterstics,		
	10.12.2021	examples		
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Week	Date	Class :-B.A,	Class:-B.A,	Class :-	
		Subject:- Groups	Subject:-algebra	B.A,Subject:-	
		and Ring		advance calculus	
		Semester:-5th	Semester :-1st	Semester:-3rd	
		Finding			
		Logarithms and			
	11.12.2021	antilogarithms			
		using log and			
		antilog tables			
		Finding			
	13 12 2021	Logarithms and			
	13.12.2021	anthogarithms			
		using log and			
		Examples using			
	14.12.2021	log and antilog			
		tables			
		Examples using			
	15.12.2021	log and antilog			
		tables			
	16 12 2021	Doubte of aboutor			
	10.12.2021	Doubts of chapter			
	17.12.2021	Test of logarithms			
		Introduction to			
	18.12.2021	compound			
		interest			
	20 12 2021	Examples of			
	20.12.2021	simple interest			
	21.12.2021	Examples of			
		simple interest			
		Different between			
	22.12.2021	simple and			
		compound			
		mterest			
		Examples of			
	23.12.2021	compound			
		interest without			
		using its formulas			
	24.12.2021	based examples			
	25.12.2021	Chris	stmas		
		Examples of			
		compound			
	27.12.2021	interest without			
		using its formulas			
		Examples of			
	28.12.2021	compound			
		interest with			
	1	Tormulas	1	1	

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week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Somoston, 5th	Somostor 1 1st	Somoston, 2nd
		Semester:-5th	Semester :-1st	SemesterJru
		compound		
	29.12.2021	interest with		
		formulas		
		Examples of		
		compound		
	30.12.2021	interest when		
		time is given in		
		fractio		
		Examples of		
		compound		
	31.12.2021	interest when		
		time is given in		
		fractio		
		Examples of		
		compound		
	01 01 2022	interest when rate		
	01.01.2022	of interest is		
		different in		
		different years		
		Examples of		
		compound		
	03.01.2022	interest when rate		
		of interest is		
		different in		
		different years		
	04 01 2022	Examples of		
	04.01.2022	compounded		
		Continuously		
	05 01 2022	Examples of		
	05.01.2022	continuously		
		Examples of		
	06 01 2022	compounded		
	00.01.2022	continuously		
		Effective and		
	07.01.0000	nominal rate of		
	07.01.2022	interest based		
		examples		
		Effective and		
	08 01 2022	nominal rate of		
	08.01.2022	interest based		
		examples		
		Problems of		
	10.01.2022	depriciation &		
		population		

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Samaatan 5th	Samaatan 1 1at	Samaatan 2nd
		Semester:-5th Problems of	Semester :-1st	Semester:-3rd
	11.01.2022	depriciation &		
		population		
		Introduction to		
	12.01.2022	annuity and its		
		different types		
		Annuity		
	13.01.2022	immediate and		
		based examples		
		A		
	14 01 2022	Annuny immediate and		
	14.01.2022	hased examples		
		buseu examples		
		Examples of		
		present value of		
	15.01.2022	annuity in case of		
		annuity		
		immediate and		
		annunty delerred		
		Examples of		
		present value of		
	17 01 2022	annuity in case of		
	17.01.2022	annuity		
		immediate and		
		annuity deferred		
		Solution of		
		practical		
	18.01.2022	problems related		
		to annuities based		
		examples		
		Solution of		1
		practical		
	19.01.2022	problems related		
		to annuities based		
		exam		
		Present value and	<u> </u>	
		amount of		
	20.01.2022	annuity when the		
	20.01.2022	interest is		
		compounded		
		continuously		

Week	Date	Class :-B.A,	Class:-B.A,	Class :-	
		Subject:- Groups	Subject:-algebra	B.A,Subject:-	
		and Ring	_	advance calculus	
		Semester:-5th	Semester :-1st	Semester:-3rd	
		Present value and			
		amount of			
	21 01 2022	annuity when the			
	21.01.2022	interest is			
		compounded			
		continuously			
	22.01.2022	Doubts related to			
		annuities			
	24.01.2022	Arithmetic			
		Progression			
		Examples of			
	25.01.2022	Arithmetic			
		progression			
	26.01.2022	Repub	lic Day	1	
	27.01.2022	Test			
	28.01.2022	Geometric			
		Progression			
		Examples of			
	29.01.2022	Geometric			
		progression			
	31.01.2022	Introduction to			
		differentiability			
		Simple			
	01.02.2022	derivatives of			
		different			
		Tunctions Examples of			
		dominations of			
	02.02.2022	difforent			
		functions			
		Examples of		1	
		derivatives of			
	03.02.2022	different			
		functions			
	04.02.2022	Test		1	
	05.02.2022	Basant P	anchami	ı	
		Rules of			
	07.02.0000	differentiation -			
	07.02.2022	Simple standard			
		Forms			
	00.02.2025	Examples of			
	08.02.2022	differentiation			
		Maxima and		1	
	00.02.2022	minima of			
	09.02.2022	functions of one			
		variable			

Week Date Class:-B.A, Class:-B.A, C	lass :-
Subject:- Groups Subject:-algebra B.A,	Subject:-
and Ring advan	ce calculus
Semester:-5th Semester :-1st Seme	ester:-3rd
Examples of	
Maxima and	
10 02 2022 minima of	
functions of one	
variable relating	
to cost	
Examples of	
Maxima and	
11.02.2022 minima of	
functions of one	
variable relating	
to cost	
Examples of	
Maxima and	
12.02.2022 minima of	
functions of one	
variable relating	
to cost	
14.02.2022 <b>Test of ch - 6</b>	
15.02.2022 Problem related	
to ch - 7	
16.02.2022 Guru Ravidas Jayanti	
17.02.2022 <b>Test of ch - 7</b>	
18.02.2022 Revision	
19.02.2022 <b>Revision</b>	
Problems related	
21.02.2022 to complete	
svilabus	
Test of complete	
22.02.2022 syllabus	

# Name of Teacher : Mrs. Prabhjot Kaur

Subject : M	athematics

Week	Date	Class : B.A. (Calculus)	Class : B.A. (Solid Geometry)	Class : B.A. (Partial Differntial Equation)	Class : B.A. (Statics)	Class : B.A. (Real Analysis)	
		Semester : I	Semester I	Semester III	Semester III	Semester V	
	08.10.2021		Orientation Course				
	09.10.2021		Orientation Course				
		Derivative of a		Introduction to	Introduction of	Introduction to	
	11 10 2021	function		partial differential	mechanics and	course and basic	
	11.10.2021			equation	other terms like	definitions	
					forces, body.		

Week	Date	Class :-B.A,	Class:-B.A,	Class :-		
		Subject:- Groups	Subject:-algebra	B.A,Subject:-		
		and Ring		advance calculus		
		Semester:-5th	Semester ·-1st	Semester - 3rd		
		some standard		Order and degree	Parallelogram law	Reimann Integral-
		results of		of P.D.E	of forces.	definitions.
	12.10.2021	integration			magnitude and	theorems and
	12.10.2021	6			resultant of forces	examples
						1
		limit of a function		Linear and non-	Examples of	Reimann Integral-
	12 10 2021	and left and right		linear P.D.E	resultant of forces	definitions,
	13.10.2021	hand limits				theorems and
						examples
		examples based on	Introduction to	Formation of		Reimann Integral-
		limits	course and basic	P.D.E by		definitions,
	14.10.2021		definitions	eliminating		theorems and
				arbitrary constants		examples
	15.10.2021			Dussehra	I	
		continuos and	General equation	Formation of		Reimann Integral-
		discontinuos	of second degree	P.D.E by		definitions,
	16.10.2021	Tunctions	and unificient types	eminating		avamplas
			on some cases	aroniary constants		examples
			on some cases			
		examples of		Formation of	Resolution of a	Integrability of
		continuity		P.D.E by	given force in two	continuous
				eliminating	given directions	functions,
	18.10.2021			arbitrary functions		examples and some
						based theorems
		classification of		Formation of	Examples of	Integrability of
		discontinuties		P.D.E by	resolved parts of	continuous
	19 10 2021			eliminating	forces	functions,
	19.10.2021			arbitrary functions		examples and some
						based theorems
	20 10 2021		 Ma]	 harishi Balmiki Jav	anti	
	20.10.2021	Introduction of	Examples of	Classification of		Integrability of
		successive	different second	solution of P.D. E		monotonic
		differentiation	degree equations			functions,
	21.10.2021		8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			examples and some
						based theorems

Week	Date	Class :-B.A,	Class:-B.A,	Class :-		
		Subject:- Groups	Subject:-algebra	B.A,Subject:-		
		and Ring		advance calculus		
		Semester:-5th	Semester 1st	Semester-3rd		
		some results of nth	Tracing of conics	Classification of		Integrability of
		derivatives	and examples	solution of P D F		monotonic
		derivatives	and examples	Solution of L.D. L		functions
	22.10.2021					examples and some
						based theorems
		examples of nth	Tracing of conics	Solution of First		Integrability of
		derivatives	and examples	order Linear P.D.E		monotonic
			-			functions,
	23.10.2021					examples and some
						based theorems
		Leibnitz's theorem		Solution of	Triangle law of	Properties of
	25 10 2021	and based		Lagrange's Linear	forces, its converse	Riemann integral
	20110.2021	examples		equation	and other forms	
		T 11 1. 1 .1		<b>E</b> 1 0		D
	26 10 2021	Leibnitz's theorem		Examples of	Examples of	Properties of
	26.10.2021	and based		Lagrange's Linear	forces	Riemann integral
		introduction of		Examples of	Lami's theorem	Fundamental
		differentiable		Lagrange's Linear	and based	theorem of integral
	27 10 2021	functions		equation	examples	calculus and based
	27.10.2021			- 1		examples
						_
		taylor's theorem	Tangent at any	Solution of First		Fundamental
		with Lagrange's	point to the conic,	order non-linear		theorem of integral
	28.10.2021	form of remainder	chord of contact	P.D.E		calculus and based
		after 'n' terms	with examples			examples
		1 1 1 1				
		examples based on	I angent at any			Theorems on
		taylor's theorems	point to the conic,	T. ( 1		differentiability of
	29.10.2021		with examples	lest and		integrable
			with examples	Assignment		functions and
						examples
		Application of	Pole of line to	Compatible System		Theorems on
		taylor's theorem	conic with	of P.D.E of order		continuity and
			examples	one		differentiability of
	30.10.2021					integrable
						functions and
						examples
	31.10.2021					
	to			Diwali Vacations		
	07.11.2021					

Week	Date	Class :-B.A,	Class:-B.A,	Class :-		
		Subject:- Groups	Subject:-algebra	B.A,Subject:-		
		and Ring		advance calculus		
		Semester:-5th	Semester :-1st	Semester:-3rd		
		Exampsion by	Semester 1 Ist	Examples of	Polygon law of	Theorems on
		differential		compatible system	forces and based	continuity and
		equations		of P.D.E of order	examples	differentiability of
	08.11.2021	1		one	1	integrable
						functions and
						examples
		introduction to		Examples of	Conditions of	Theorems on
		Asymptotes		compatible system	equilibrium of	continuity and
	00 11 2021			of P.D.E of order	concurrent forces	differentiability of
	09.11.2021			one	and based	integrable
					examples	functions and
						examples
		types of		Charpit's Method	Equilibrium of	Mean value
	10.11.2021	asymptotes and			bodies and based	theorems of
		examples			examples	and examples
		Oblique	Director circle of	Examples of		Mean value
		asymptotes and	conic with	Charnit's method		theorems of
	11.11.2021	examples	examples			Integral calculus
		1	1			and examples
		Oblique	Systems of conics	Examples of		Introduction to
	12 11 2021	asymptotes and	with examples	Charpit's method		improper integral
	12.11.2021	examples				and their
						convergence
			Confocal conics,	Examples of		Types of improper
	13.11.2021	Asymptotes of	examples	Charpit's method		integral and their
		Polar curves				examples
		avanulas of rolar		Evennles of	Lintroduction of	Trues of immerse
		examples of polar		Charnit's method	like and unlike	integral and their
	15 11 2021			Charpit's method	parallel forces and	examples
	13.11.2021				their resultant	enampres
		position of the		Jacobi's method	Analogue of lami's	Types of improper
		curve with respect			theorem and	integral and their
	16.11.2021	to the asymptotes			resolved parts of	examples
					parallel forces	
				· · ·		
		position of the		Examples of	Examples based on	Comparison tests
		curve with respect		Jacobi's method	parallel forces	for convergence of
	17.11.2021	to the asymptotes				different type and
						hased examples
						casea examples
	10.11.2021 11.11.2021 12.11.2021 13.11.2021 15.11.2021 16.11.2021 17.11.2021	types of asymptotes and examples Oblique asymptotes and examples Oblique asymptotes and examples Asymptotes of Polar curves examples of polar curves position of the curve with respect to the asymptotes position of the curve with respect to the asymptotes	Director circle of conic with examples Systems of conics with examples Confocal conics, examples	Charpit's Method Examples of Charpit's method Examples of Charpit's method Examples of Charpit's method Examples of Charpit's method Jacobi's method Examples of Jacobi's method	Equilibrium of bodies and based examples	Infections and examplesMean value theorems of Integral calculus and examplesMean value theorems of Integral calculus and examplesIntroduction to improper integral and their convergenceTypes of improper integral and their examplesTypes of improper integral and their examplesTypes of improper integral and their examplesComparison tests for convergence of integrals of different type and based examples

Week	Date	Class :-B.A,	Class:-B.A,	Class :-		
		Subject:- Groups	Subject:-algebra	B.A,Subject:-		
		and Ring		advance calculus		
		<u> </u>				
		Semester:-5th	Semester :-1st	Semester:-3rd		
		lest and	Confocal conics,	Examples of		Comparison tests
		Assignment	examples	Jacobi's method		for convergence of
	18.11.2021					integrals of
						has a super las
						based examples
	10 11 2021		<u> </u>	m Nanak Day Jaya		
	19.11.2021		Polar equation of a	Fyamples of		Comparison tests
			conic with	Iacobi's method		for convergence of
		Introduction to	examples	Jacobi S method		integrals of
	20.11.2021		examples			different type and
						based examples
						oubou enumpres
	22.11.2021		<u> </u> N	L NAAC TEAM VISI'	Γ	
	23.11.2021		Ν	AAC TEAM VISI	Г	
		Centre of curvature		Test	Moment of a force	Comparison tests
		and curvature of			about a point and	for convergence of
	24.11.2021	circle based			based examples	integrals of
	24.11.2021	examples				different type and
						based examples
		Radius of	Polar equation of a	Linear P.D.E of		Comparison tests
		curvature for polar	conic with	second and higher		for convergence of
	25 11 2021	equations based	examples	order		integrals of
	23.11.2021	examples				different type and
						based examples
						<u>a</u>
		Radius of	Tangent and	Solution of		Comparison tests
		curvature for polar	normal to the	homogeneous		for convergence of
	26.11.2021	equations based	conic, examples	linear P.D.E with		integrals of
		examples		constant		different type and
				coefficients		based examples
		Transformation of	Tangent and	Examples of		Comparison tests
		polar to pedal form	normal to the	homogeneous		for convergence of
		and radius of	conic, examples	linear P.D.E with		integrals of
	27.11.2021	curvature based	·····	constant		different type and
		examples		coefficients		based examples
						L. L.
		Transformation of		Examples of	Varignon's	Abel's test and
		polar to pedal form		homogeneous	theorem and its	Dirichlet's test and
	29.11.2021	and radius of		linear P.D.E with	generalization and	based examples
		curvature based		constant	examples	
		examples		coefficients		

Week	Date	Class :-B.A,	Class:-B.A,	Class :-		
		Subject:- Groups	Subject:-algebra	B.A,Subject:-		
		and Ring		advance calculus		
		Semester:-5th	Semester :-1st	Semester:-3rd		
		Examples of		Examples of	Centre of parallel	Test
		Radius of		homogeneous	forces and based	
	30.11.2021	curvature at origin		linear P.D.E with	examples	
				constant		
				coefficients		
		Examples of		Examples of	Couples ,its	Abel's test and
		Radius of		homogeneous	moment, sign,	Dirichlet's test and
	01.12.2021	curvature at origin		linear P.D.E with	equilibrium and	based examples
				constant	resultant	
				coefficients		
		Centre, Circle and	Definition of	Solution of non		Abel's test and
		evolute of	sphere and	homogeneous		Dirichlet's test and
	02.12.2021	curvature and its	examples	linear P.D.E with		based examples
		examples		constant		
				coefficients		
		Centre, Circle and	Plane section of	Examples of non		Abel's test and
		evolute of	sphere and	homogeneous		Dirichlet's test and
	03.12.2021	curvature and its	examples	linear P.D.E with		based examples
		examples		constant		
				coefficients		
		Introducation to	Sphere through a	Examples of non		Frullani's Integral
		singular points	given circle and	homogeneous		and baesd
	04.12.2021		based examples	linear P.D.E with		examples
				constant		
				coefficients		
		Types of Singular		Examples of non		Tets and
		points - node, cusp,		homogeneous	Test and	Assignment
	06.12.2021	conjugate point		linear P.D.E with	A ssignment	
				constant	Assignment	
				coefficients		
		Examples of nature		Test and	Examples based on	Frullani's Integral
		of double point at		Assignment	couples	and baesd
	07.12.2021	origina and other				examples
		than origin				
		Examples of nature		P.D.E with	Resolution of	Frullani's Integral
		of double point at		variable	forces into couples	and baesd
		origina and other		coefficients	and based	examples
	08.12.2021	than origin		reducible to	examples	
				equations with		
				constant		
				coefficients		

Week	Date	Class :-B.A,	Class:-B.A,	Class :-	7	
		Subject:- Groups	Subject:-algebra	B.A,Subject:-		
		and Ring		advance calculus		
		~ ~ ~ ~	~			
		Semester:-5th	Semester :-1st	Semester:-3rd		
		Examples of nature	Intersection of two	Examples of P.D.E		Frullani's Integral
		of cusp of first or	spheres and	with variable		and baesd
		second	examples	coefficients		examples
	09.12.2021	species, single or				
		double cusp		equations with		
				constant		
				coefficients		
		C	Teterre Cterre			E
		Concavity,	Intersection of two	Examples of P.D.E		Fruitant's integral
		point of inflavion	spheres and			and baesu
		of curve	examples	reducible to		examples
	10.12.2021			equations with		
				constant		
				coefficients		
		Concevity	Test	Examples of P.D.E.		Integral as a
		convexity and	1051	with variable		function of a
		point of inflexion		coefficients		narameter
		of curve		reducible to		purumeter
	11.12.2021			equations with		
				constant		
				coefficients		
		Test		Examples of P.D.E	Equilibrium of	Continuity of the
				with variable	three forces	Integral and
				coefficients		examples
	12 12 2021			reducible to		
	13.12.2021			equations with		
				constant		
				coefficients		
		Introduction to		Classification of	Trigonometrical	Continuity of the
	14.12.2021	curve tracing		second order linear	theorem and based	Integral and
				P.D.E	examples	examples
		Examples of		Examples of	Equilibrium of	Derivability of the
		tracing of curves in		Classification of	coplanar forces	integral and
	15.12.2021	case of cartesian		second order linear		examples
		coordinates		P.D.E		
		E		E		Derive hilles of th
		Examples of	kadical plane of	Examples of		Derivability of the
	16 10 0001	uracing of curves in	iwo spheres, based	Classification of		integral and
	16.12.2021	case of cartesian	examples	B D F		examples
		coordinates				

Week	Date	Class :-B.A,	Class:-B.A,	Class :-		
		Subject:- Groups	Subject:-algebra	B.A,Subject:-		
		and Ring		advance calculus		
		Semester:-5th	Semester :-1st	Semester:-3rd		
		Tracing of curves	Radical plane of	Reduction of		Derivability of the
		in paramteric	two spheres based	second order linear		integral and
	17 12 2021	equations and its	examples	P D E to		examples
	17.12.2021	examples	enumpies	cannonical form		enampres
		1				
		Tracing of curves	Co-axal system of	Reduction of		Derivability of the
		in paramteric	spheres with	hyperbolic		integral and
	18 12 2021	equations and its	examples	equation to		examples
	10.12.2021	examples		cannonical form		enumpres.
		Tracing of curves		Examples of	Examples based on	Integrability of an
		in paramteric		Reduction of	equilirium of	integral of a
	20.12.2021	equations and its		hyperbolic	coplanar forces	function of
		examples		equation to		parameter and
				cannonical form		examples
		Tracing of polar		Examples of	Introduction of	Integrability of an
		curves and		Reduction of	friction and its	integral of a
	21.12.2021	examples		hyperbolic	kinds, stages	function of
				equation to		parameter and
				cannonical form		examples
		Tracing of polar		Examples of	Laws of friction	Definition and
		curves and		Reduction of	and based	examples of
	22.12.2021	examples		hyperbolic	theorems, examples	mertric spaces
				equation to		
				cannonical form		
		Tracing of polar	Co-axal system of	Reduction of		Examples of metric
	23 12 2021	curves and	spheres with	parabolic equation		spaces
	23.12.2021	examples	examples	to cannonical form		
		Introduction to	lest and	Examples of		Examples of metric
	24.12.2021	reduction formulae	Assignment	Reduction of		spaces
	24.12.2021			to componical form		
				to cannonical form		
	25.12.2021			Christmas		
		Examples using		Examples of	Problems on	Examples of metric
		different reduction		Reduction of	euilibrium of rods	spaces
	27.12.2021	formulae		parabolic equation	and ladders	1
				to cannonical form		
		Examples using		Examples of		Assignment
		different reduction		Reduction of	Test and	
	28.12.2021	formulae		parabolic equation	A ssignment	
				to cannonical form	Assignment	

Week	Date	Class :-B.A,	Class:-B.A,	Class :-		
		Subject:- Groups	Subject:-algebra	B.A,Subject:-		
		and Ring		advance calculus		
		Sama Anna 54h	Concentration 1 at	S		
		Semester:-5th	Semester :-1st	Semester:-3rd	Inter description of	On an end also ad
		Examples using		Reduction of	Introduction of	Open and closed
	29.12.2021	forment reduction		emptic equation to	centre of gravity	sphere and
		Tormulae		cannonical form	and its forms	examples
		Examples using	Definition of cone	Examples of		Neighbourhood,
		different reduction	and examples	Reduction of		interior point, open
	30.12.2021	formulae		elliptic equation to		set and based
				cannonical form		examples
		Examples using	Right circular cone	Examples of		Neighbourhood ,
		different reduction	with examples	Reduction of		interior point, open
	31.12.2021	formulae	-	parabolic equation		set and based
				to cannonical form		examples
		Examples using	Right circular cone	Test		Neighbourhood,
	01.01.2022	different reduction	with examples			interior point, open
		formulae				set and based
				~ 1		examples
		Introduction to		Solution of linear	Examples based on	Adherent point,
	02.01.0000	rectification		nyperbolic	centre of gravity	limit point, isolated
	03.01.2022			equations		and examples
						and examples
		Examples of lenght		Examples of	Centre of gravity	Closure of a set,
		of arc in cartesian		solution of linear	of a uniform	closed set and
	04.01.2022	form		hyperbolic	rod,wire,	examples
				equations	tetrahedron and	
					solid cone	
		Examples of lenght		Examples of	Examples based on	Boundary points
	05.01.2022	of arc in cartesian		solution of linear	different forms of	and subspaces of a
		form		hyperbolic	gravity	metric space and
			<b>F</b> 1 '	equations		examples
	0 ( 01 0000	Examples of lengh	Enveloping cone	Monge's method		Equivalent
	06.01.2022	of parametric	and examples	for P.D.E of		metrices and
		Iorms	Designed at the second	second order		examples
		Examples of lengh	Keciprocal cone	Examples of		Convergence of
	07.01.2022	of parametric	with examples	for D D E -f		sequence in metric
		Torms		IOF F.D.E OF		space and
		E	Diaht shul			Commence
		Examples of lengh	Kight circular	Examples of Mongola method		Convergence of
	08.01.2022	of polar forms	cynnuer and	for P D E of		sequence in metric
			c xamples	second order		examples
						erampies

Week	Date	Class :-B.A,	Class:-B.A,	Class :-		
		Subject:- Groups	Subject:-algebra	B.A,Subject:-		
		and Ring		advance calculus		
		Semester:-5th	Semester :-1st	Semester:-3rd		1
		Examples of lengh		Examples of	Introduction of	Baire's Category
	10 01 2022	of polar forms		Monge's method	work and virtual	theorem and
	10.01.2022			for P.D.E of	work	examples
				second order		
		Examples of		Characterstics of	Principle of virtual	Contraction
		intrinsic equation		second order P.D.E	work and based	principle and
	11.01.2022	of curve		and Cauchy's	examples	examples
				problem		
		Examples of		Examples of	Introduction of	Contraction
		intrinsic equation		characterstic	forces in three	principle and
	12 01 2022	of curve		equation and	dimensions	examples
	12.01.2022			characterstic curve		
				of second order		
				P.D.E		
		Introduction to	Enveloping	Cauchy's Problem		Uniform
	13 01 2022	Quadrature	cylinder,			continuous
	13.01.2022		examples			function and
						examples
		Test and	Central conicoids,	Examples of		Continuous
		Assignment	equation of tangent	Cauchy's problem		function and
	14.01.2022		plane, examples			examples
		- 1 1				
		Examples of area	Central conicoids,	Methods of		Continuous
		of curve and line	equation of tangent	sepration of		function and
	15.01.2022		plane, examples	variables: Wave,		examples
	1010112022			Heat and Laplace		
				equations		
		E		Culture C	D	C
	17.01.0000	Examples of area		Solution of one	Farallelopiped of	Continuous
	17.01.2022	of curve and line		annensional wave	Torces	
		Examples of area		Solution of one	Axis and	Continuous
	18 01 2022	between two poler		dimensional wave	composition of	function and
	10.01.2022	curves		equation	couple	examples
		Examples of area		Solution of two	Conditions of	Continuous
	10.01.2022	between two polor		dimensional wave	equilibrium of a	function and
	19.01.2022	curves		equation	rigid body	examples
		Evonnlog - f	Dimentan Sultana	Colution of true		Liniform
		Examples of area	Director Sphere	Solution of two		Uniform
	20.01.2022	oetween two polar	and examples	annensional wave		function and
		curves		equation		runction and
						examples

Week	Date	Class :-B.A,	Class:-B.A,	Class :-		
		Subject:- Groups	Subject:-algebra	B.A.Subject:-		
		and Ring		advance calculus		
		-				
		Semester:-5th	Semester :-1st	Semester:-3rd		
		Introduction to	Normal to the	Solution of two		Uniform
	21 01 2022	volumes and	conicoids and	dimensional wave		continuous
	21.01.2022	surfaces of solids	examples	equation		function and
		of revolution				examples
		Examples of	Polar plane of a	Solution of one		Uniform
		volume of a solid	point and examples	dimensional heat		continuous
	22.01.2022	of revolution		equation		function and
				-		examples
		Examples of		Solution of one	Poinsot's central	Uniform
		volume of a solid		dimensional heat	axis and invariants	continuous
	24.01.2022	of revolution		equation		function and
				1		examples
		Examples of		Solution of one	Examples based on	Uniform
		volume of a solid		dimensional heat	central axis	continuous
	25.01.2022	of revolution		equation	contrar uxis	function and
		orrevolution		equation		examples
	26.01.2022			Republic Day		enampres
	20.01.2022	Examples of	Enveloping cone of	Solution of two		Compact set
		volume of	a conicoid and	dimensional heat		compactness of
	27.01.2022	porometric curves	a conicolu allu			metric spaces and
	27.01.2022	and polar curves	examples	equation		avamples
						examples
		Examples of	Assignment	Solution of two		Compact set
		volume of	Assignment	dimensional heat		compactness of
	28 01 2022	parametric curves				metric spaces and
	28.01.2022	and polar curves		equation		examples
		and polar curves				examples
		Examples of	Douch clouds and	Test		Commont ant
		Examples of	Paraboloids and	Test		Compact set,
			circular section			compactness of
	29.01.2022	parametric curves	with examples			metric spaces and
		and polar curves				examples
		Evenueles -f		Solution of torre	Introduction of	Sequential
		Examples of		Solution of two	Introduction of	Sequential
				dimensional neat	wrenches	compactness and
	31.01.2022	parametric curves		equation		Bolzano-
		and polar curves				Weierstrass
				~ 1	<b>.</b>	property
				Solution of two	Resultant of two	Sequential
		Examples of area		dimensional heat	wrenches and	compactness and
	01.02.2022	of surface of		equation	based examples	Bolzano-
		resolution				Weierstrass
						property

Week	Date	Class :-B.A,	Class:-B.A,	Class :-		
		Subject:- Groups	Subject:-algebra	B.A,Subject:-		
		and Ring		advance calculus		
		Semester:-5th	Semester :-1st	Semester:-3rd		
				Solution of two	Introduction of	Sequential
		Examples of area		dimensional	null lines and null	compactness and
	02.02.2022	of surface of		Laplace equation	planes	Bolzano-
		resolution		1 1	1	Weierstrass
						property
			Plane section of	Solution of two		Sequential
		Examples of area	conicoids and	dimensional		compactness and
	03.02.2022	of surface of	examples	Laplace equation		Bolzano-
		resolution				Weierstrass
						property
			Generating lines	Solution of two		Total boundedness,
		Examples of area	and examples	dimensional		Finite intersection
	04.02.2022	of surface of		Laplace equation		property and
		resolution				examples
	05.02.2022		1	Basant Panchami	TT1 1 1	T (11 1 1
		Centroid and		Solution of two	I neorems based on	Total boundedness,
	07.02.2022	Pappus and		L oplace equation	null lines and hull	rinite intersection
	07.02.2022	Guldin's Theorem,			planes	examples
		its examples				enumpies
				Examples of two	Examples based on	Total boundedness,
		Centroid and		dimensional	null lines and null	Finite intersection
	08.02.2022	Pappus and		Laplace equation	planes	property and
		Guldin's Theorem,				examples
		its examples				
		Centroid and		Examples of two	Introduction of	Continuity in
		Pappus and		dimensional	equilibrium of	relation with
	09.02.2022	Guldin's Theorem		Laplace equation	forces	connectedness
		its examples				
		·	Conford 1			C - utimeita in
		Centroid and	Confocal conicoid	Examples of two		Continuity in
	10.02.2022	Pappus and	and examples	L aplace equation		relation with
	10.02.2022	Guldin's Theorem,		Laplace equation		connectedness
		its examples				
			Reduction of			Continuity in
			second degree	L		relation with
	11.02.2022	Revision	equations and	Revision		connectedness
			examples			
			Reduction of			
	12 02 2022	Pavision	second degree	Davision		Davision
	12.02.2022	Revision	equations and	Revision		Revision
			examples			

Week	Date	Class :-B.A,	Class:-B.A,	Class :-		
		Subject:- Groups	Subject:-algebra	B.A,Subject:-		
		and Ring		advance calculus		
		Semester:-5th	Semester :-1st	Semester:-3rd		
	1400.0000	Test of complete		Test of complete	Position of	D
	14.02.2022	Syllabus		Syllabus	equilibrium	Revision
					Conditions of	
	15.02.2022	Revision		Revision	stability of	l est of complete
					equilibrium	Syllabus
	16.02.2022		G	uru Ravidas Jayan	ti	
	17.02.2022	Revision	Revision	Revision		Revision
	18.02.2022	Revision	Test of Complete Syllabus	Revision		Revision
	19.02.2022	Revision	Revision	Revision		Revision
	21.02.2022	Revision		Revision	Revision	Revision
		Revision		D · ·	Test of Complete	Revision
	22.02.2022			Revision	Syllabus	
	Name	e of TeacherMs.	Garima	• • • • • •		
		ClassB.Com	ClassB.Sc 1	ClassB.Sc 2		
		1{SFS}	{N.M}	{N.M		
		•••		+C.S}		
Week	Date	Semester	Semester1 (	Semester2		
		1{Business	Calculus)	(Advanced		
		Mathematics}		Calculus)		
		•••				
	08.10.2021	•••	Orientation Course	2		
	08.10.2021 09.10.2021	····	Orientation Course			
	08.10.2021 09.10.2021 11.10.2021	 Bridge Course	Orientation Course Orientation Course Bridge Course	Introduction of		
	08.10.2021 09.10.2021 11.10.2021	Bridge Course	Orientation Course Orientation Course Bridge Course	Introduction of syllabus		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021	 Bridge Course Bridge Course	Orientation Course Orientation Course Bridge Course Bridge Course	Introduction of syllabus Preliminary		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021	Bridge Course Bridge Course Introduction to	Orientation Course Orientation Course Bridge Course Bridge Course Derivative of a	Introduction of syllabus Preliminary ch-1 continuous		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021	Bridge Course Bridge Course Introduction to matrices	Orientation Course Orientation Course Bridge Course Bridge Course Derivative of a function	Introduction of syllabus Preliminary ch-1 continuous and discontinuous		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021	Bridge Course Bridge Course Introduction to matrices	Orientation Course Orientation Course Bridge Course Bridge Course Derivative of a function	Introduction of syllabus Preliminary ch-1 continuous and discontinuous functions		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021 14.10.2021	Bridge Course Bridge Course Introduction to matrices Defination of	Orientation Course Orientation Course Bridge Course Bridge Course Derivative of a function Sum standard	Introduction of syllabus Preliminary ch-1 continuous and discontinuous functions Theorem based on		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021 14.10.2021	Bridge Course Bridge Course Introduction to matrices Defination of matrices and its	Orientation Course Orientation Course Bridge Course Bridge Course Derivative of a function Sum standard results of	Introduction of syllabus Preliminary ch-1 continuous and discontinuous functions Theorem based on continuous		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021 14.10.2021	Bridge Course Bridge Course Introduction to matrices Defination of matrices and its types	Orientation Course Orientation Course Bridge Course Bridge Course Derivative of a function Sum standard results of integration	Introduction of syllabus Preliminary ch-1 continuous and discontinuous functions Theorem based on continuous functions		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021 14.10.2021 15.10.2021	Bridge Course Bridge Course Introduction to matrices Defination of matrices and its types	Orientation Course Orientation Course Bridge Course Bridge Course Derivative of a function Sum standard results of integration Dussehra	Introduction of syllabus Preliminary ch-1 continuous and discontinuous functions Theorem based on continuous functions		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021 14.10.2021 15.10.2021 16.10.2021	Bridge Course Bridge Course Introduction to matrices Defination of matrices and its types Algebra of	Orientation Course Orientation Course Bridge Course Bridge Course Derivative of a function Sum standard results of integration Dussehra Limit of a function	Introduction of syllabus Preliminary ch-1 continuous and discontinuous functions Theorem based on continuous functions Examples on		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021 14.10.2021 15.10.2021 16.10.2021	Bridge Course Bridge Course Introduction to matrices Defination of matrices and its types Algebra of matrices	Orientation Course Orientation Course Bridge Course Bridge Course Derivative of a function Sum standard results of integration Dussehra Limit of a function & left & right hand	Introduction of syllabus Preliminary ch-1 continuous and discontinuous functions Theorem based on continuous functions Examples on continuous		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021 14.10.2021 15.10.2021 16.10.2021	Bridge Course Bridge Course Introduction to matrices Defination of matrices and its types Algebra of matrices	Orientation Course Orientation Course Bridge Course Bridge Course Derivative of a function Sum standard results of integration Dussehra Limit of a function & left & right hand limits	Introduction of syllabus Preliminary ch-1 continuous and discontinuous functions Theorem based on continuous functions Examples on continuous functions		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021 14.10.2021 15.10.2021 16.10.2021 18.10.2021	Bridge Course Bridge Course Introduction to matrices Defination of matrices and its types Algebra of matrices Examples of	Orientation Course Orientation Course Bridge Course Bridge Course Derivative of a function Sum standard results of integration Dussehra Limit of a function & left & right hand limits Examples on limits	Introduction of syllabus Preliminary ch-1 continuous and discontinuous functions Theorem based on continuous functions Examples on continuous functions Examples on		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021 14.10.2021 15.10.2021 16.10.2021 18.10.2021	Bridge Course Bridge Course Introduction to matrices Defination of matrices and its types Algebra of matrices Examples of addition,subtractio	Orientation Course Orientation Course Bridge Course Bridge Course Derivative of a function Sum standard results of integration Dussehra Limit of a function & left & right hand limits Examples on limits	Introduction of syllabus Preliminary ch-1 continuous and discontinuous functions Theorem based on continuous functions Examples on continuous functions Examples on continuous		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021 14.10.2021 15.10.2021 16.10.2021 18.10.2021	Bridge Course Bridge Course Introduction to matrices Defination of matrices and its types Algebra of matrices Examples of addition,subtractio n,scaler	Orientation Course Orientation Course Bridge Course Bridge Course Derivative of a function Sum standard results of integration Dussehra Limit of a function & left & right hand limits Examples on limits	Introduction of syllabus Preliminary ch-1 continuous and discontinuous functions Theorem based on continuous functions Examples on continuous functions Examples on continuous functions Examples on continuous functions		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021 14.10.2021 15.10.2021 16.10.2021 18.10.2021	Bridge Course Bridge Course Introduction to matrices Defination of matrices and its types Algebra of matrices Examples of addition,subtractio n,scaler multiplication of	Orientation Course Orientation Course Bridge Course Derivative of a function Sum standard results of integration Dussehra Limit of a function & left & right hand limits Examples on limits	Introduction of syllabus Preliminary ch-1 continuous and discontinuous functions Theorem based on continuous functions Examples on continuous functions Examples on continuous functions		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021 14.10.2021 15.10.2021 16.10.2021 18.10.2021	Bridge Course Bridge Course Introduction to matrices Defination of matrices and its types Algebra of matrices Examples of addition,subtractio n,scaler multiplication of matrices	Orientation Course Orientation Course Bridge Course Bridge Course Derivative of a function Sum standard results of integration Dussehra Limit of a function & left & right hand limits Examples on limits	Introduction of syllabus Preliminary ch-1 continuous and discontinuous functions Theorem based on continuous functions Examples on continuous functions Examples on continuous functions		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021 14.10.2021 15.10.2021 16.10.2021 18.10.2021	Bridge Course Bridge Course Introduction to matrices Defination of matrices and its types Algebra of matrices Examples of addition,subtractio n,scaler multiplication of matrices Examples of	Orientation Course Orientation Course Bridge Course Bridge Course Derivative of a function Sum standard results of integration Dussehra Limit of a function & left & right hand limits Examples on limits	Introduction of syllabus Preliminary ch-1 continuous and discontinuous functions Theorem based on continuous functions Examples on continuous functions Examples on continuous functions Uniform continuity		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021 14.10.2021 15.10.2021 16.10.2021 18.10.2021	Bridge Course Bridge Course Introduction to matrices Defination of matrices and its types Algebra of matrices Examples of addition,subtractio n,scaler multiplication of matrices Examples of addition,subtractio	Orientation Course Orientation Course Bridge Course Bridge Course Derivative of a function Sum standard results of integration Dussehra Limit of a function & left & right hand limits Examples on limits	Introduction of syllabus Preliminary ch-1 continuous and discontinuous functions Theorem based on continuous functions Examples on continuous functions Examples on continuous functions Uniform continuity and based		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021 14.10.2021 15.10.2021 16.10.2021 18.10.2021	Bridge Course Bridge Course Introduction to matrices Defination of matrices and its types Algebra of matrices Examples of addition,subtractio n,scaler multiplication of matrices Examples of addition,subtractio n,scaler multiplication of matrices	Orientation Course Orientation Course Bridge Course Bridge Course Derivative of a function Sum standard results of integration Dussehra Limit of a function & left & right hand limits Examples on limits	Introduction of syllabus Preliminary ch-1 continuous and discontinuous functions Theorem based on continuous functions Examples on continuous functions Examples on continuous functions Uniform continuity and based theorems		
	08.10.2021 09.10.2021 11.10.2021 12.10.2021 13.10.2021 14.10.2021 15.10.2021 18.10.2021 19.10.2021	Bridge Course Bridge Course Introduction to matrices Defination of matrices and its types Algebra of matrices Examples of addition,subtractio n,scaler multiplication of matrices Examples of addition,subtractio n,scaler multiplication of matrices	Orientation Course Orientation Course Bridge Course Bridge Course Derivative of a function Sum standard results of integration Dussehra Limit of a function & left & right hand limits Examples on limits	Introduction of syllabus Preliminary ch-1 continuous and discontinuous functions Theorem based on continuous functions Examples on continuous functions Examples on continuous functions Uniform continuity and based theorems		

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	20.10.2021	Mal	harishi Balmiki Jay	anti
	21.10.2021	Examples of matrix	Continuous and	Examples on
		multiplication	discontinuous	uniform continuity
			functions	
	22.10.2021	Examples of matrix	Examples of	Examples on
		multiplication	continuity	uniform continuity
	23.10.2021	Problems related to	Examples of	Doubts of ch-1
	25 10 2021	chapter	continuity	
	25.10.2021	Properties of	Classification of	ch-2 Derivability
		determinant	discontinuities	based examples
	26 10 2021	Calculation of	Doubts	Darboux theorem
	20.10.2021	values of	Doubles	and Rolle's
		determinants upto		theorem
		third order		
	27.10.2021	Examples of	Indroduction of	Examples on
		calculation of	successive	Rolle's theorem
		values of	differentiation	
		determinants upto		
		third order		
	28.10.2021	Examples of	Some results of nth	Langrange's mean
		calculation of	derivatives	value theorem and
		values of		based examples
		determinants upto		
	20.10.2021			
	29.10.2021	adjoint of matrix	derivatives	theorem and based
			derivatives	examples
				examples
	30.10.2021	Examples of	Examples of nth	Taylor's theorem
		adjoint of a matrix	derivatives	and based
		-		examples
	31.10.2021		•	
	to		Diwali Vacations	
	07.11.2021			
	08.11.2021	Examples of	Leibnitz's Theorem	Test of ch-1
		adjoint of a matrix		
	09.11.2021	Elementary row or	Leibnitz' s	ch-3 Introduction
		column operations	Theorem and based	of indeterminant
			examples	forms
	10.11.2021	Elementary row or	Leibnitz 's	Examples of 3.1
		column operations	Theorem and based	
			examples	

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	11.11.2021	Examples of	Doubts of	Based examples
		elementary row or	successive	1
		column operations	differentiation	
	12.11.2021	Examples of	Tests	Examples of 3.2
		elementary row or		1
		column operations		
	13.11.2021	Test of adjoint of	Introduction of	Revision
		matrix	differentiable	
			functions	
-	15.11.2021	Finding inverse of	Taylor's Theorem	Examples of 3.3
		matrix through	with Lagrange	_
		adjoint	form of remainder	
			after " n"	
	16 11 2021	Examples of	Examples based	Based examples
	10.11.2021	finding inverse of	on taylor's	Dused examples
		matrix through	theorem	
		adjoint		
	17.11.2021	Examples of	Applications of	Doubts of ch-3
		finding inverse of	taylor's theorem	
		matrix through		
		adjoint		
	18.11.2021	Finding inverse of	Expansion by	Test of ch-3
		matrix through	Differential	
		elementary row	equations	
		and column	1	
		operations		
	19.11.2021	Gu	ıru Nanak Dev Jaya	inti
	20.11.2021	ch-4	Introduction to	ch-4 Introduction
			Asymptotes	of limit and
				continuity of
				functions
	22.11.2021	N	HAAC TEAM VISI	Г
	23.11.2021	N	NAAC TEAM VISI	Γ
	24.11.2021	Finding inverse of	Type of asymptotes	Based theorems
		matrix through	& examples	
		elementary row		
		and column		
		operations		

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	25.11.2021	Finding inverse of	Oblique	Based examples
		matrix through	asymptotes &	-
		elementary row	examples	
		and column		
		operations		
	26.11.2021	Doubts	Oblique	Algebra of
			asymptotes and	continuous
			examples	functions
	27.11.2021	Test and	Test	Based examples
	20.11.2021	assignment	<b>F</b> 1	Deed to a fail 4
	29.11.2021	Solutions of	Example of polar	Doubts of cn-4
		equations having	cuives	
		unique solutions		
		and involving not		
		more than three		
		variables		
	30.11.2021	Examples of	Position of the	ch-5 Introduction
		solutions of system	curve with respect	of partial
		of linear equations	to the asymptotes	differentiation
		having unique		
		solutions and		
		involving not more		
		than three variables		
	01 12 2021	Examples of	Position of the	Based examples
	01.12.2021	solution of system	curve with respect	Dased examples
		of linear equations	to the asymptotes	
		having unique	5 1	
		solutions and		
		involving not more		
		than three variables		
	02.12.2021	Examples of	Doubts of	Based examples
		solutions of system	asymptotes	
		of linear equations		
		having unique		
		solutions and		
		than three variables		
	03.12.2021	Doubts of chapter	Test	Homogeneous
				functions and
				based theorems

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups and Ring	Subject:-algebra	B.A,Subject:- advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	04.12.2021	introduction to logarithms	Assignment	Based examples
	06.12.2021	different rules,properties of logarithms	Introduction to Curvature	Based examples
	07.12.2021	Examples of logarithms	Centre of curvature & circle of curvature based examples	Total differentiation and based theorems
	08.12.2021	Examples of logarithms	Radius of curvature for polar equations based examples	Based examples
	09.12.2021	Characterstics , Mantissa based examples	Radius of curvature for polar equations based examples	Based examples
	10.12.2021	Characterstics , Mantissa based examples	Transformation of polar to pedal form	Implicit functions and based examples
	11.12.2021	Finding Logarithms and antilogarithms using log and antilog tables	Radius of curvature at the origin	Taylor's theorem and based examples
	13.12.2021	Finding Logarithms and antilogarithms using log and antilog tables	Examples of radius of curvature at the origin	Doubts of ch-5
	14.12.2021	Examples using log and antilog tables	Centre, circle & evolute of curvature and its examples	Assignment
	16.12.2021	Examples using log and antilog tables	Centre, circle & evolute of curvature and its examples	Test of ch-2
	17.12.2021	Doubts of chapter	Doubts related to curvature	ch-6 Introduction of chapter
	18.12.2021	Test of logarithms	Introduction to singular points	Examples of 6.1

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	20.12.2021	Introduction to	Types of singular	Examples of 6.1
		compound interest	points - node	-
			,cusp,conjugate	
			point	
	21.12.2021	Examples of	Examples of nature	Young's theorem
		simple interest	of double point at	and Schwartz's
			origin and other	theorem
			than origin	
	22.12.2021	Examples of	Examples of nature	Based examples
		simple interest	of double point at	
			origin and other	
			than origin	
	23.12.2021	Different between	Examples of nature	Doubts of ch-6
		simple and	of cusp of 1st or	
		compound interest	2nd species, single	
			or double cusp	
	24 12 2021	Examples of	Concervity convert	Test of ch 6
	24.12.2021	compound interest	v & point of	Test of cli-0
		without using its	inflexion of curve	
		formulas		
	25.12.2021		Christmas	
	27.12.2021	Examples of	Concavity, convexit	ch-7 Introduction
		compound interest	y & point of	of maximum and
		without using its	inflexion of curve	minimum
	28 12 2021	Examples of	Test	Based theorems
	20.12.2021	compound interest	1031	Dased theorems
		with formulas		
	29.12.2021	Examples of	Introduction to	Based examples
		compound interest	curve tracing	
		with formulas		
	30.12.2021	Examples of	Examples of	Remaining
		compound interest	tracing of curves in	examples
		when time is given	case of cartesian	
		in fractio	coordinates	

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups and Ring	Subject:-algebra	B.A,Subject:- advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	31.12.2021	Examples of compound interest when time is given in fractio	Examples of tracing of curves in case of cartesian coordinates	Langrange's method and based examples
	01.01.2022	Examples of compound interest when rate of interest is different in different years	Tracing of curves in parametric equations and its examples	Doubts oh ch-7
	03.01.2022	Examples of compound interest when rate of interest is different in different years	Tracing of curves in parametric equations and its examples	ch-8 Introduction of curves in space
	04.01.2022	Examples of compounded continuously	Tracing of curves in parametric equations and its examples	Examples of 8.1
	05.01.2022	Examples of compounded continuously	Tracing of polar curves and examples	Equation of tangent line and based examples
	06.01.2022	Examples of compounded continuously	Tracing of polar curves and examples	Osculating plane and based examples
	07.01.2022	Effective and nominal rate of interest based examples	Tracing of polar curves and examples	Fundamental unit vectors and based examples
	08.01.2022	Effective and nominal rate of interest based examples	Introduction to reduction formulae	Remaining examples
	10.01.2022	Problems of depriciation & population	Examples using different reduction formulae	doubts of ch-8
	11.01.2022	Problems of depriciation & population	Examples using different reduction formulae	ch-9 Introduction of curcle of curvature and spherical curvature

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	12.01.2022	Introduction to	Examples using	Properties of locus
	12:01:2022	annuity and its	different reduction	of the centre of
		different types	formulae	curvature
	13 01 2022	Annuity immediate	Examples using	Properties of locus
	1010112022	and based	different reduction	of the centre of
		examples	formulae	curvature
	14.01.2022	Annuity immediate	Examples using	Based examples
		and based	different reduction	1
		examples	formulae	
	15.01.2022	Examples of	Doubts related to	Test of ch-8
		present value of	reduction formulae	
		annuity in case of		
		annuity immediate		
		and annuity		
		deferred		
	17.01.2022	Examples of	Test	ch-10 Introduction
		present value of		of involutes and
		annuity in case of		evolutes
		annuity immediate		
		and annuity		
		deferred		
	18.01.2022	Solution of	Introduction to	Curvature and
		practical problems	rectification	torsion of involute
		related to annuities		
		based examples		
	19.01.2022	Solution of	Examples of length	Derivations of
		practical problems	ofarc in cartesian	torsion,evolutes
		related to annuities	form	
		based exam		
	20.01.2022	Present value and	Examples of length	Examples of
		amount of annuity	ofarc in cartesian	curvature,torsion,in
		when the interest is	form	voluteand evolutes
		compounded		
		continuously		

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	21.01.2022	Present value and	Examples of length	ch-11 Introduction
		amount of annuity	of parametric	of concept of
		when the interest is	forms	surface and
		compounded		envelopes
		continuously		
	22.01.2022	Doubts related to	Examples of length	Class of
		annuities	of parametric	surface, singularity
			forms	of a surface
	24.01.2022	Arithmetic	Examples of length	Parametric curves
		Progression	of polar forms	,tangent plane and
				normal
	25.01.2022	Examples of	Examples of length	Cartesian form of
		Arithmetic	of polar forms	equations of the
		progression		tangent plane
	26.01.2022		Republic Day	
	27.01.2022	Test	Examples of	Based examples
			intrinsic equation	
			of curve	
	28.01.2022	Geometric	Introduction to	Family of
		Progression	quadrarure	surfaces,characteri
				stic curve of family
				of surfaces
	29.01.2022	Examples of	Examplesof area	Test
		Geometric	of curve and line	
		progression		
	31.01.2022	Introduction to	Examples of area	Envelope and
		differentiability	between two	based upon
			curves	theorem
	01.02.2022	Simple derivatives	Test	Edge of regression
		of different		and based upon
		functions		theorem
	02.02.2022	Examples of	Examples of area	Examples of
		derivatives of	of polar curves	regression
		different functions		
	02.02.2022			
	03.02.2022	Examples of	Examples of area	Examples of
		derivatives of	between two polae	regression
		different functions	curves	

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester1st	Semester-3rd
	04 02 2022	Test	Introduction to	Doubts
	0 1.02.2022		volume and	Douola
			surfaces of solids	
			of revolution	
	05.02.2022		Basant Panchami	
	07.02.2022	Rules of	Examples of	Revision of unit 1
		differentiation -	volume of a solid	
		Simple standard	of revolution	
		Forms		
	08.02.2022	Examples of	Examples of	Revision of unit 1
		differentiation	volume of	
			parametric curves	
			and polar curves	
			-	
	09.02.2022	Maxima and	Examples of	Test of unit 1
		minima of	volume of	
		functions of one	parametric curves	
		variable	and polar curves	
	10.02.2022	Examples of	Examples of area	Revision of unit 2
		Maxima and	of surface of	
		minima of	revolution	
		functions of one		
		variable relating to		
		cost		
	11.02.2022	Examples of	Examples of area	Revision of unit 2
		Maxima and	of surface of	
		minima of	revolution	
		functions of one		
		variable relating to		
		cost		
	12.02.2022	Examples of	Centroid and	Test of unit 2
		Maxima and	pappus and	
		minima of	guidin's theorem, its	
		runctions of one	examples	
		variable relating to		
	14.02.2022		Control 1 and 1	Derining for it 2
	14.02.2022	1 est of ch - 6	Centroid and	Kevision of unit 3
			pappus and	
			guium's meorem, its	
			champles	
	15 02 2022	Droblem related to	Doubts	Devision of unit?
	13.02.2022	ch - 7	Doubis	Kevision of unit 3
	16 02 2022		uru Davidas Iaran	/
	10.02.2022	G	rui u Naviuas Jayan	u

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	17.02.2022	Test of ch - 7	Revision	Test of unit 3
	18.02.2022	Revision	Revision	Revision of unit 4
	19.02.2022	Revision	Revision	Revision of unit 4
	21.02.2022	Problems related to	Problems related to	Testof unit 4
		complete syllabus	complete syllabus	
			1 2	
	22.02.2022	Test of complete	Test of complete	Test of complete
		syllabus	syllabus	syllabus t
				-
		Class :-, Subject:-		
Week	Date	Groups and Ring		
		Semester:-5th		
	08.10.2021	Orientati	on Course	-
	09.10.2021	Orientati	on Course	_
		-1-1		
		Cn-1		
		introduction, binary		
	11.10.2021	properation, some		
		binary		
		operation algebraic		
		operation,argeorate		
		order of		
	12.10.2021	group,finite and		
		infinite groups,		
	13.10.2021	based examples		
		integral power of		
	14.10.2021	element.general		
		properties of group		
	15.10.2021	Duss	sehra	1
	16.10.2021	based examples		
	10.10.0001	order of element of		
	18.10.2021	group, related		
	10.10.0001	theorems		
	19.10.2021	based examples		J
	20.10.2021	Manarishi Ba	limiki Jayanti	1
	21 10 2021	complexes and		
	21.10.2021	subgroup of a		
	22.10.2021	group		4
	22.10.2021	related theorems		4
		product and		
	23.10.2021	interection of		
		subgroups, related		
		tneorem		

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		<u> </u>		
	25 10 2021	Semester:-5th	Semester :-1st	Semester:-3rd
	25.10.2021	based examples		
	20.10.2021	based examples		
		cyclic group,some		
	27.10.2021	theorems on cyclic		
		group		
	28.10.2021	based examples		
	20.10.2021	problem related to		
	29.10.2021	ch-1		
	30.10.2021	test of ch-1		]
	31.10.2021			
	to	Diwali V	acations	
	07.11.2021		Ι	1
	00.11.0001	ch-2 cosets, some		
	08.11.2021	theorem on cosets		
	09 11 2021	hased examples		
	07.11.2021	index of		
		subgroups.relation		
	10.11.2021	of congruence		
		modulo,lagrange		
		theorem		
		normsl		
	11 11 2021	subgroups, simple		
	11.11.2021	group,some		
		theorem		
		quotient		
	12.11.2021	group, some		
		examples		
		queires related to		
	13.11.2021	ch-2		
		ch-3		
		introduction,homo		
	15.11.2021	morphism and		
		isomorphism of		
	16 11 2021	groups		
	16.11.2021	some theorems		
1	11/.11.2021	ibased examples	1	1

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
		fundamental		
		theorem on		
	10.11.0001	homomorphism of		
	18.11.2021	group, second, third		
		theorem of		
		isomorphism		
	10.11.2021			]
	19.11.2021	Guru Nanak	Dev Jayanti	1
	20.11.2021	automorphism of		
	20.11.2021	group and		
		examples		J
	22.11.2021	NAAC TE	AM VISIT	
	23.11.2021	NAAC TE	AM VISIT	1
		group of		
	24.11.2021	automorphism of		
		group,inner		
		automorphism		
	25.11.2021	some theorems		
	26.11.2021	based examples		
	27.11.2021	center of a		
		group,theorem		
	20 11 2021	example related to		
	29.11.2021	center and		
	30.11.2021	normalizer,some		
	01.12.2021	commutator and		
		some meorems		
	02.12.2021	problem related to		
	03 12 2021	test of ch-3		
	03.12.2021	ch 4 permutation		
		groups product of		
	04.12.2021	permutation examp		
		les		
		identify		
		permutation invers		
	06.12.2021	e		
		permutation symm		
		etric group		
		cvelie		1
		nermitation transp		
	07 12 2021	osition alternating		
	07.12.2021	group cavley		
		theorem		
				1

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	08.12.2021	problem related to ch-4		
	09.12.2021	test of ch-4		
	10.12.2021	ch-5 introduction ring,types of ring		
	11.12.2021	examples of ring		
	13.12.2021	integral domain,division ring,field		
	14.12.2021	some theorems		
	15.12.2021	based examples		
	16.12.2021	subring,some theorems on subring		
	17.12.2021	center of ring,examples		
	18.12.2021	characteristic of ring,some theorems		
	20.12.2021	problem related to ch-5		
	21.12.2021	assignment		
	22.12.2021	ch-6 introduction,some definition of ideals,sum and product of ideals		
	23.12.2021	related theorems		
	24.12.2021	sessional		
	25.12.2021	Chris	stmas	
	27.12.2021	simple ring,theorems,prim e ideal		
	28.12.2021	principle ideal domain,theorem		
	29.12.2021	maximal ideal,prime ideal,co maximal ideal		
	30.12.2021	based examples		
	31.12.2021	quotient ring		
	01.01.2022	based theorems		
	03.01.2022	problem related to ch-6		
	04.01.2022	test of ch-6		

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups and Ring	Subject:-algebra	B.A,Subject:- advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	05.01.2022	ch-7 ring homomorphism,ba sed theorms		
	06.01.2022	kernel of ring homomorphism,the orem,based examples		
	07.01.2022	fundamental theorem on homomorphism of ring,second,third theorem of isomorphism		
	08.01.2022	based examples		
	10.01.2022	embedded ring,field of quotient of integral domain		
	11.01.2022	based examples		
	12.01.2022	problem related to ch-7		
	13.01.2022	ch-8 introduction,divisib ility in commutative ring,theorems		
	14.01.2022	prime element,irreducible element,g.c.d,l.c.m, theorems		
	15.01.2022	euclidean rings,examples		
	17.01.2022	principle ideal domain,theorem		
	18.01.2022	based theorems and examples		
	19.01.2022	problem related to ch-8		
	20.01.2022	test of ch-8		
	21.01.2022	ch-9 polynomial ring,theorems		
	22.01.2022	based examples		
	24.01.2022	based examples		

	Subject:- Groups and Ring	Subject:-algebra	B.A,Subject:- advance calculus
	and Ring		advance calculus
	~		
	Semester:-5th	Semester :-1st	Semester:-3rd
25.01.2022	problem related to ch-9		
26.01.2022	Repub	lic Day	1
27.01.2022	problem related to		
28 01 2022	test of ch 0		
20.01.2022	nrohlem related to		
29.01.2022	unit_1		
	unit-1		
31.01.2022	unit 1		
 01 02 2022	unit-1		
 01.02.2022	test of unit-1		
02.02.2022	problem related to		
	umit-2		
03.02.2022	problem related to		
 04.00.0000	unit-2		
 04.02.2022	test of unit-2		
 05.02.2022	Basant P	anchami	1
07.02.2022	problem related to unit-3		
08 02 2022	problem related to		
00.02.2022	unit-3		
09.02.2022	test of unit-3		
10.02.2022	problem related to unit-4		
11.02.2022	problem related to		
 12 02 2022	test of unit 1		
12.02.2022	revision of whit 1		
14.02.2022	and unit_2		
	tost of whit 1 1		
15.02.2022	unit 2		
16.02.2022	umt-2	dag Tawan4	
10.02.2022	Guru Kavi	uas jayanti	
17.02.2022	and unit-4		
18.02.2022	test of unit-3 and unit-4		
 	revision of full		
19.02.2022	syllabus		
	revision of full		
21.02.2022	svilabus		
 22.02.2022	syllabus full tost		
22.02.2022		[	
N	ame of Teacher N Subject	irs. Kimpi wadhwa Math	1

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
Week	Date	ClassB.sc 1st (Sub. Algebra)	Class B.sc.1st (Sub. Solid Geometry)	ClassB.sc.3rd (Sub. Real Analysis)
		Semester1st	Semester 1st	Semester 5th
	08.10.2021		<b>Orientation</b> Course	
	09.10.2021		<b>Orientation</b> Course	
	11.10.2021	Introduction to new course	Introduction to course and basic defination	Introduction to course and basic defination
	12.10.2021	Introduction to matrices,types of matrices	General equation of second degree and different type of	Reiman integral - defination,theorem s and
	13.10.2021	Types of matrices- symmetric,skew- symmetric	Examples of different second degree equations	Reiman integral - defination,theorem s and
	14.10.2021	Types of matrices with properties and examples	Examples of different second degree equations	Reiman integral - defination,theorem s and
	15.10.2021		Dussehra	
	16.10.2021	Types of matrices with properties and examples	Tracing of conics and examples	Reiman integral - defination,theorem s and
	18.10.2021	Rank of matrices using determinat method	Tracing of conics and examples	Integrability continuous functions,examples and
	19.10.2021	Rank of matrices using determinat method	Tangent at any point to the conic,chord of contact with	Integrability continuous functions,examples and
	20.10.2021	Mal	harishi Balmiki Jay	anti
	21.10.2021	Elementry row and column operations	Tangent at any point to the conic,chord of contact with	Integrability continuous functions,examples and
	22.10.2021	Row equivalent,collumn equivalent and equivalent	Pole of line to conic with examples	Integrability continuous functions,examples and

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups and Ring	Subject:-algebra	B.A,Subject:- advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	23.10.2021	Row and column echelon matrices,row and column	Pole of line to conic with examples	Integrability continuous functions,examples and
	25.10.2021	Row and column echelon matrices,row and column	Director circle of conic with examples	Properties of riemann integral
	26.10.2021	Normal form of a matrix and elementry matrix	Director circle of conic with examples	Properties of riemann integral
	27.10.2021	Examples to find rank of matrix by reducing to normal	Systems of conics with examples	Fundamental theorem of integral calcules and based
	28.10.2021	Examples to find rank of matrix by reducing to normal	Systems of conics with examples	Fundamental theorem of integral calcules and based
	29.10.2021	Inverse of a matrix using elementry opreations	Confocal conics, examples	Theorems on continuity and differentiability of integrable
	30.10.2021	Linear depedence and independence	Polar equation of a conic with examples	Theorems on continuity and differentiability of integrable
	31.10.2021 to		Diwali Vacations	
	08.11.2021	Linear depedence and independence	Polar equation of a conic with examples	Mean value theorems of integral calculus
	09.11.2021	Characterstic polynomial, equation,eigen values	Tangent and normal to the conic,examples	Mean value theorems of integral calculus
	10.11.2021	Characterstic polynomial, equation,eigen values	Tangent and normal to the conic,examples	Introduction to improper integral and their
	11.11.2021	Cayley-hamilton theorems and its use in findig inverse	Definition of sphere and examples	Types of improper integral and their examples

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and King		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	12.11.2021	Cayley-hamilton theorems and its use in findig inverse	Plane section of sphere and example	Types of improper integral and their examples
	13.11.2021	Monic polynomial, minimal polynomial and equation	Plane section of sphere and example	Types of improper integral and their examples
	15.11.2021	Monic polynomial, minimal polynomial and equation	Sphere through a given circleand based examples	comparison tests for convergence of integrals of
	16.11.2021	Applications of matrices to a system of linear	Sphere through a given circleand based examples	comparison tests for convergence of integrals of
	17.11.2021	Applications of matrices to a system of linear	Intersection of two spheres and examples	comparison tests for convergence of integrals of
	18.11.2021	Sessional	Intersection of two spheres and examples	comparison tests for convergence of integrals of
	19.11.2021	Gu	iru Nanak Dev Jaya	inti
	20.11.2021	Applications of matrices to a system of linear	Intersection of two spheres and examples	comparison tests for convergence of integrals of
	22.11.2021	1	NAAC TEAM VISI	Т
	23.11.2021	ľ	NAAC TEAM VISI	T 
	24.11.2021	Theorems on consistecy of a system of liner	Sessional	Abel's test and dirichlet's test and based examples
	25.11.2021	Theorems on consistecy of a system of liner	Radical plane of two spheres, based examples	Sessional
	26.11.2021	Theorems on consistecy of a system of liner	Radical plane of two spheres, based examples	Abel's test and dirichlet's test and based examples
	27.11.2021	Assignment	co-axal system of spheres with examples	Abel's test and dirichlet's test and based examples

Week	Date	Class :-B.A, Subject:- Groups and Ring	Class:-B.A, Subject:-algebra	Class :- B.A,Subject:- advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	29.11.2021	Unitary and orthogonal matrices with examples	co-axal system of spheres with examples	Frullani's integral and based examples
	30.11.2021	Unitary and orthogonal matrices with examples	Assignment	Assignment
	01.12.2021	Bilinear and quardratic forms with examples	Definition of cone and examples	Frullani's integral and based examples
	02.12.2021	Bilinear and quardratic forms with examples	Right circular cone with examples	Frullani's integral and based examples
	03.12.2021	Synthetic division and examples	Right circular cone with examples	Integral as a function of a parameter
	04.12.2021	Relation between the roots and coefficient of general	Enveloping cone and examples	Continuity of the integral and examples
	06.12.2021	Relation between the roots and coefficient of general	Enveloping cone and examples	Derivability of the integral and examples
	07.12.2021	Relation between the roots and coefficient of general	Reciprocal cone with examples	Derivability of the integral and examples
	08.12.2021	Solution of polynomial equation having conditions	Right circular cylinder and examples	Integrability of an integral of a function of parameter and
	09.12.2021	Assignment	Right circular cylinder and examples	Integrability of an integral of a function of parameter and
	10.12.2021	Common roots and multipal roots examples	Enveloping cylinder	Definition and examples of metric spaces
	11.12.2021	Common roots and multipal roots examples	Central conicodis, equation of tangent plane, examples	Examples of metric spaces

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups and Ring	Subject:-algebra	B.A,Subject:- advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	13.12.2021	Common roots and multipal roots examples	Central conicodis, equation of tangent plane, examples	Examples of metric spaces
	14.12.2021	Transformation of equation with different	Director sphere and examples	Examples of metric spaces
	15.12.2021	Transformation of equation with different	Director sphere and examples	Assignment
	16.12.2021	Transformation of equation with different	Normal to the conicoids and examples	Open and closed sphere and examples
	17.12.2021	Transformation of equation with different	Normal to the conicoids and examples	Neighbourhood, interior point, open set and based
	18.12.2021	Transformation of equation with different	Polar plane of a point and examples	Neighbourhood, interior point, open set and based
	20.12.2021	Solutions of cubic and biquadratic equation	Polar plane of a point and examples	Neighbourhood, interior point, open set and based
	21.12.2021	Cardan's method of solving a cubic equation, examples	Enveloping cone of a conicoid and examples	Adherent point, limit point, isolated point, derived set
	22.12.2021	Cardan's method of solving a cubic equation, examples	Enveloping cone of a conicoid and examples	Closure of a set, closed set and examples
	23.12.2021	Cardan's method of solving a cubic equation, examples	Enveloping cylinder of a conicoid and examples	Boundary points and sub spaces of metric space
	24.12.2021	Cardan's method of solving a cubic equation, examples	Enveloping cone of a conicoid and examples	Equivalent mertrices and examples
	25.12.2021		Christmas	

Week	Date	Class :-B.A,	Class:-B.A,	Class :- D A Subject
		and Ring	Subject:-algebra	advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	27.12.2021	Test	Enveloping cone of a conicoid and examples	Equivalent mertrices and examples
	28.12.2021	Test	Enveloping cylinder of a conicoid and examples	Equivalent mertrices and examples
	29.12.2021	Test	Test	Test
	30.12.2021	Cardan's method of solving a cubic equation, examples	Enveloping cylinder of a conicoid and examples	Convergence of sequence in metric space and examples
	31.12.2021	Cardan's method of solving a cubic equation, examples	Assignment	Convergence of sequence in metric space and examples
	01.01.2022	Sessional	Enveloping cylinder of a conicoid and examples	Cauchy sequence and completeness of metric spaces and examples
	03.01.2022	Descarte's solution of the biquadratic, examples	Enveloping cylinder of a conicoid and examples	Cauchy sequence and completeness of metric spaces and examples
	04.01.2022	Descarte's solution of the biquadratic, examples	Test	Test
	05.01.2022	Descarte's solution of the biquadratic, examples	Paraboloids and circular section with examples	Baire's category theorem and examples
	06.01.2022	Descarte's solution of the biquadratic, examples	Paraboloids and circular section with examples	Baire's category theorem and examples
	07.01.2022	Test	Paraboloids and circular section with examples	Contraction principle and examples
	08.01.2022	Descarte's solution of the biquadratic, examples	Paraboloids and circular section with examples	Contraction principle and examples

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
			Plane section of	Contraction
	10.01.2022	Test	conicoids and	principle and
			examples	examples
		Descarte's solution	Plane section of	Continuous
	11.01.2022	of the biquadratic,	conicoids and	function and
		examples	examples	examples
			Plane section of	Continuous
	12.01.2022	Test	conicoids and	function and
			examples	examples
	13.01.2022	Test	Sessional	Sessional
		_	Plane section of	
	14.01.2022	Test	conicoids and	Revision
		E	examples	
		Ferrari method of	Generating lines	
	15.01.2022	biquadratic	and examples	Revision
		examples	and examples	
		Ferrari method of		
	17.01.2022	solving a	Test	Dervision
	17.01.2022	biquadratic,	Test	Kevision
		examples		
		Ferrari method of		
	18.01.2022	solving a	Test	Revision
		biquadratic,		
		Ferrari method of		Uniform
		solving a	Generating lines	continuous
	19.01.2022	biquadratic,	and examples	function and
		examples	-	examples
				Uniform
	20.01.2022	Sessional	Generating lines	continuous
	20.01.2022	bessionar	and examples	function and
				examples
		Ferrari method of	Companying - 1imore	Uniform
	21.01.2022	biquadratic	ord examples	function and
		examples	and examples	examples
				Compact set.
	22.01.2022		Confocal conicoid	compactness of
	22.01.2022	lest	and examples	metric spaces and
				examples

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		and Ring	Subject:-aigebra	B.A,Subject:- advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	24.01.2022	Test	Confocal conicoid and examples	Compact set, compactness of metric spaces and examples
	25.01.2022	Descarte's rule of signs	Confocal conicoid and examples	Compact set, compactness of metric spaces and examples
	26.01.2022		Republic Day	1
	27.01.2022	Test	Confocal conicoid and examples	Sequential compactness and bolzano- weierstrass property
	28.01.2022	Test	Confocal conicoid and examples	Sequential compactness and bolzano- weierstrass property
	29.01.2022	Descarte's rule of signs	Test	Test
	31.01.2022	Continuation or permanence of signs	Reduction of second degree equation and examples	Total boundedness, finite inter section property
	01.02.2022	Complex roots	Reduction of second degree equation and examples	Total boundedness, finite inter section property
	02.02.2022	Revision	Reduction of second degree equation and examples	Continuity in relation with compactness, connectedness and components
	03.02.2022	Revision	Reduction of second degree equation and examples	Continuity in relation with compactness, connectedness and components
	04.02.2022	Revision	Reduction of second degree equation and examples	Continuity in relation with compactness, connectedness and components
	05.02.2022		Basant Panchami	

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups and Ring	Subject:-algebra	B.A,Subject:- advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	07.02.2022	Revision and Test	Revision and Test	Revision and Test
	08.02.2022	Revision and Test	Revision and Test	Revision and Test
	09.02.2022	Revision and Test	Revision and Test	Revision and Test
	10.02.2022	Revision and Test	Revision and Test	Revision and Test
	11.02.2022	Revision and Test	Revision and Test	Revision and Test
	12.02.2022	Revision and Test	Revision and Test	Revision and Test
	14.02.2022	Revision and Test	Revision and Test	Revision and Test
	15.02.2022	Revision and Test	Revision and Test	Revision and Test
	16.02.2022	(	Guru Ravidas Jayan	iti
	17.02.2022	Revision and Test	Revision and Test	Revision and Test
	18.02.2022	Revision and Test	Revision and Test	Revision and Test
	19.02.2022	Revision and Test	Revision and Test	Revision and Test
	21.02.2022	Revision and Test	Revision and Test	Revision and Test
	22.02.2022	Revision and Test	Revision and Test	Revision and Test

#### Name of Teacher:-sukriti Subject :-Mathematics

	SubjectMathematics				
Week	Date	Class :-	Class :-	Class:-	
		B.Sc(N.M,C.Sc),	B.Sc.(N.M,C.Sc.)	B.A3/B.Sc.(N.M	
		Subject:-P.D.E	,Subject:-statics	,C.Sc) ,Subject:-	
				Numerical	
				Analysis	
		Semester:-3rd	Semester:- 3rd	Semester:-5th	
	08.10.2021		<b>Orientation Course</b>	2	
	09.10.2021		<b>Orientation Course</b>	9	
	11.10.2021	ch:-1 Introduction	ch:-1 Introduction	Introduction of	
		of partial	of force acting at a	syllabus	
		differential	point		
		equations			

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups and Ring	Subject:-algebra	B.A,Subject:- advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	12.10.2021	example of exercise	Parallelogram law of force,magnitude and direction of the resultant	ch-1 basic definitions of operators
	13.10.2021	introduction of formation of pde and based examples	examples of exercise 1.1	Diagonal forward difference table
	14.10.2021	problem related to ch-1	remaining example of 1.1	Based properties
	15.10.2021		Dussehra	
	16.10.2021	ch-2 introduction of first order linear pde and based examples	topic-components of a given force in two direction	Based examples
	18.10.2021	solution of Lagrange's linear equations and based examples	resolved part of a given force and based examples	Relations between operators
	19.10.2021	example based on ch-2	triangle law of forces and based examples	Effect of an error in a tabular value
	20.10.2021	Ma	harishi Balmiki Jay	anti
	21.10.2021	example based on ch-2	important theorem and based examples	problem related to ch-1
	22.10.2021	ch-3 introduction of first order non linear pde and based examples	lami's theorem and based examples	queries of ch-1
	23.10.2021	based examples	polygon law of forces and based examples	ch-2 definations of interpolation and extrapolations
	25.10.2021	charpit's method and based examples	resultant of any number of concurrent and coplanar forces	Newton's Gregory Formula for forward interpolation
	26.10.2021	some standard form and based examples	condition of equilibrium of concurrent forces and based examples	Based examples

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	27.10.2021	based examples	equilibrium of bodies placed on a smooth inclined plane and based examples	Based examples
	28.10.2021	jacobi's method and based examples	problem based on ch-1	Newton's Gregory Formula for backward interpolation
	29.10.2021	ch-4 introduction of linear pde of second and higher order	ch-2 introduction of parallel forces	based examples
	30.10.2021	examples of 4.1	important theorem and based examples	sub division of intervals
	31.10.2021		Diwali Vacations	
	to			
	07.11.2021			
	08.11.2021	examples of 4.2	examples based on parallel forces	based examples
	09.11.2021	examples of 4.2	ch-3 introduction of moments and based examples	problem related to ch-2
	10.11.2021	problem based on ch-4	varigon's theorem and based examples	ch-3 Newton's Divided Difference Formula
	11.11.2021	test of ch:-1	important theorem and based examples	Based examples
	12.11.2021	problem based on ch-4	examples based on moment	Based examples
	13.11.2021	ch-5 introduction of pde with variable coefficient reducible to equations with constant coefficient	based examples	Lagrange's Interpolation Formula
	15.11.2021	based examples	examples based on ch-4	Based examples

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	16.11.2021	test of ch:-2	ch-5 introduction	Based examples
			of analytical	
			condition of	
			equilibrium of co-	
			planer forces	
	17.11.2021	ch-6 introduction		Hermite's Formula
		of canonical form		
		of second order		
	10 11 2021	inear pde	1 1 1	D 1 1
	18.11.2021	exercise 6.1	based examples	Based examples
	20 11 2021	nroblem related to	remaining example	nroblem related to
	20.11.2021	ch-6	remaining example	ch-3
	22.11.2021	N	L JAAC TEAM VISI'	T
	23.11.2021	N	NAAC TEAM VISI	Г
	24.11.2021	reduction of 2nd	problem based on	problem related to
		order linear pde to	ch-1	ch-3
		canonical form		
	25.11.2021	examples based on	problem related to	assignment
		reduction of	ch-5	submission
		hyperbolic equatins		
		to its canonical		
		form		
	26.11.2021	examples based on	ch-6 introduction	ch-4 Gauss
		reduction of	of friction	forward formula
		nyperbolic equatins		
	27 11 2021	examples based on	examples based on	Based examples
	27.11.2021	parabolic equations	friction	Dased examples
		to the canonical		
		form		
	29.11.2021	based examples on	examples based on	Gauss backward
		6.3	friction	formula
	30.11.2021	reduction of	examples based on	Based examples
		elliptic equation to	friction	
		the canonical form		
	01.12.2021	based examples	problem related to	practical in lab
	02 12 2021		cn-6	Deced and 1 a
	02.12.2021	problem related to	problem related to	Based examples
	03 12 2021	test of section 1st	ch-7 introduction	sterling and
	03.12.2021		of centre of gravity	bassel's formula

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups and Ring	Subject:-algebra	B.A,Subject:- advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	04.12.2021	ch-7 introduction of ch-7	important theorem on centre of gravity	Based examples
	06.12.2021	monge's mdethod	examples based on centre of gravity	problem related to ch-4
	07.12.2021	based examples	centre of gravity and based examples	problem related to ch-4
	08.12.2021	examples based on 7.1	examples based on ch-7	test of ch-4
	09.12.2021	remaining examples of 7.1	examples based on ch-7	practical in lab
	10.12.2021	examples based on 7.2	test of ch-1	practical in lab
	11.12.2021	problem based on ch-7	assignment of section -1	ch-5 introduction of probability and basic definitions
	13.12.2021	test of ch-4	problem related to ch-7	Based examples
	14.12.2021	problem based on chapter 7	problem related to ch-7	binomial distribution
	15.12.2021	assignment of section 1	ch-8 introduction of virtual work,principle of virtual work	Based examples
	16.12.2021	ch-8 characteristics of 2nd order pde and cauchy's problem	based examples	Based examples
	17.12.2021	characteristics equations and characteristics curve	based examples	practical in lab
	18.12.2021	based examples	problem related to ch-8	practical in lab
	20.12.2021	test of ch-6	test of ch-4	poission distribution and based examples
	21.12.2021	cauchy's problem	ch-9 introduction of forces in three dimensions and based theorems	normal distribution and based examples

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	22.12.2021	based examples	based examples	problem related to ch-5
	23.12.2021	remaining examples	based examples	test of ch-5
	24.12.2021	ch-9 method of sepration of variable-wave,heat and laplace equations	based examples	ch-6 derivatives using newton's forward formula and based examples
	25.12.2021		Christmas	•
	27.12.2021	test of ch-7	problem related to ch-9	derivatives using sterling and bassel's formula
	28.12.2021	based examples	problem related to ch-9	Based examples
	29.12.2021	method of separation of variable	test of ch-6	problem related to ch-6
	30.12.2021	1D wave equation- solution by method of separation of variable	ch-10 introduction of wrenches and based theorem	practical in lab
	31.12.2021	based examples	based theorem	practical in lab
	01.01.2022	based examples	based examples	Based examples
	03.01.2022	solution of 1D Wave equation- solution satisfying the given boundary and initial condition	based examples	ch-7 power and jacobi's method for eigen values
	04.01.2022	based examples	based examples	given method and based examples
	05.01.2022	based examples	problem related to ch-10	house holder's method and based examples
	06.01.2022	test of ch-8	problem related to ch-10	practical in lab
	07.01.2022	problem related to ch-8	ch-11 introduction of null lines and null planes	practical in lab
	08.01.2022	problem related to 9.1	based theorem	problem related to ch-7

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	10.01.2022	solution of two	based theorem	ch-8 newton's
		dimentional heat		quotes quadrature
		equations		formula and
				trapezoidal rule
	11.01.2022	examples based on 9.2	based examples	Based examples
	12.01.2022	based examples	based examples	practical in lab
	13.01.2022	based examples	test of ch-7	practical in lab
	14.01.2022	solution of two	problem related to	test of ch-7
		dimentional laplace equations	ch-11	
	15.01.2022	based examples	problem related to	simpson's rule and
			ch-11	based examples
	17.01.2022	solution of laplace	ch-12 introduction	Based examples
		equations	of stable,unstable	
		satisfying given	and neutral	
		initial and	equilibrium	
		boundary		
	18 01 2022	based exemples	haged theorem	aguada qua destues
	18.01.2022	based examples	based theorem	gauss's quadrature
				examples
				entern pres
	19.01.2022	problem related to	important topics of	problem related to
		ch-9	ch-12	ch-8
	20.01.2022	assignment of	based examples	ch-9 Euler's and its
		section 3		modified method
	21.01.2022	test of ch-9	based examples	practical in lab
	22.01.2022	problem related to	based examples	practical in lab
	24.01.0000	section 1		<b>T</b> 1 1 1
	24.01.2022	problem related to	test of ch-9	Taylor's method
	25.01.2022	section 1	muchlam valated to	and R.K method
	23.01.2022	test of section 1st	ch-12	based examples
	26.01.2022		Republic Dav	
	27.01.2022	problem related to	prpblem related to	picard's method
		ch-4	ch-1	-
	28.01.2022	problem related to	prpblem related to	milne simpson's
		ch-4	ch-2	rule
	29.01.2022	problem related to	problem related to	Based examples
		ch-5	ch-3	

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Same stars 5th	Sama at an a 1at	S
	21.01.2022	Semester:-5th	Semester :-1st	Semester:-3rd
	31.01.2022	ch-5	section -3	ch-9
	01.02.2022	test of section 2nd	test of ch-1 and ch- 2	revision of unit-1
	02.02.2022	problem related to ch-6	problem related to ch-4	revision of unit-2
	03.02.2022	problem related to ch-6	problem related to ch-3 and ch-4	revision of unit-3
	04.02.2022	problem related to ch-7	test of ch-3 and ch- 4	revision of unit-4
	05.02.2022		Basant Panchami	
	07.02.2022	problem related to ch-7	problem related to ch-5	full book revision
	08.02.2022	test of section 3rd	problem related to ch-6	full book revision
	09.02.2022	problem related to ch-8	test of ch-5 and ch- 6	test of unit-1
	10.02.2022	problem related to ch-8	problem related to ch-7	test of unit-2
	11.02.2022	problem related to ch-9	problem related to ch-8	test of unit-3
	12.02.2022	problem related to ch-9	problem related to ch-9	test of unit-4
	14.02.2022	test of section 4th	problem related to ch-10	test of full syllabus
	15.02.2022	problem related to section 1st and 2nd	problem related to ch-11 and ch-12	test of full syllabus
	16.02.2022	G	uru Ravidas Jayan	ti
	17.02.2022	test of section 1st and 2nd	test of unit-1	
	18.02.2022	problem related to section 3rd and 4th	test of unit-2	
	19.02.2022	test of section 3rd and 4th	test of unit-3	
	21.02.2022	problem related to complete syllabus	test of unit-4	
	22.02.2022	full test	full test	

## Name of Teacher:-SUKRITI

Subject :-MATHS				
Week	Date	Class:b.sc(c.sc) Subject:-calculus		

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester-5th	Semester :-1st	Semester-3rd
		Semester ··-1st	Semester1st	SemesterSru
		Orientation	1	
	08.10.2021	Course		
		Orientation	-	
	09.10.2021	Course		
	11.10.2021	Bridge Course	]	
	12.10.2021	Bridge Course		
	12 10 2021	Derivative of a		
	13.10.2021	function		
		Sum standard		
	14.10.2021	results of		
		integration		
	15.10.2021	Dussehra	_	
		Limit of a		
	16 10 2021	function & left &		
	10.10.2021	right hand limits		
	18.10.2021	Examples on		
		limits	-	
	19.10.2021	Examples on		
		limits	J	
	20.10.2021	Maharishi		
		Balmiki Jayanti	1	
	21 10 2021	Continuous and		
	21.10.2021	functions		
		Examples of		
	22.10.2021	continuity		
		Examples of		
	23.10.2021	continuity		
	25.10.2021	Classification of		
	25.10.2021	discontinuities		
	26.10.2021	Doubts		
		Indroduction of		
	27.10.2021	successive		
		differentiation		
	28 10 2021	Some results of		
	20.10.2021	nth derivatives		
	29.10.2021	Examples of nth		
		derivatives	-	
	30.10.2021	Examples of nth		
	21.10.2021	derivatives	J	
	31.10.2021			
	to	Diwali Vacations		
	07.11.2021	T •1 •	1	
	08.11.2021	Leibnitz's		
		Theorem		

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
		Leibnitz' s		
	09.11.2021	Theorem and		
		based examples		
		T 11 1/ 1		
		Leibnitz 's		
	10.11.2021	I neorem and		
		based examples		
		Doubts of		
	11.11.2021	successive		
		differentiation		
	12.11.2021	Tests		
		Introduction of		
	13.11.2021	differentiable		
		functions		
		<b>Taylor's Theorem</b>		
		with Lagrange		
	15.11.2021	form of		
		remainder after "		
		n''		
		Examples based		
	16.11.2021	on taylor' s		
		theorem		
	17 11 2021	Applications of		
	1/.11.2021	taylor's theorem		
		Expansion by		
	18.11.2021	Differential		
		equations		
	10 11 2021	Guru Nanak Dev		
	19.11.2021	Jayanti		
	20 11 2021	introduction of		
	20.11.2021	asymptotes		
	22.11.2021	NAAC TEAM		
		VISIT		
	23.11.2021	NAAC TEAM		
			1	
	24 11 2021	Type of		
	24.11.2021	asymptotes &		
		Oblique		
	25 11 2021	asymptotes &		
	23.11.2021	asymptotes &		
		Oblique		
	26.11.2021	asymptotes and		
		examples		
	27.11.2021	Test		

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	29.11.2021	Example of polar		
		Curves Desition of the		
		rosition of the		
	30.11.2021	respect to the		
		asymptotes		
		Position of the		
	01.10.0001	curve with		
	01.12.2021	respect to the		
		asymptotes		
	02 12 2021	Doubts of		
	02.12.2021	asymptotes		
	03.12.2021	Test		
	04.12.2021	Assignment		
	06 12 2021	Introduction to		
	00.12.2021	Curvature		
		Centre of		
		curvature &		
	07.12.2021	circle of		
		curvature based		
		examples		
		Radius of		
		curvature for		
	08.12.2021	polar equations		
		based examples		
		Radius of		
		curvature for		
	09.12.2021	polar equations		
		based examples		
		-		
	10 10 2021	Transformation		
	10.12.2021	of polar to pedal		
		10rm Dadius of		
	11 12 2021	Naulus ol curvatura at tha		
	11.12.2021	origin		
		Examples of		
	10.10.0001	radius of		
	13.12.2021	curvature at the		
		origin		
		Centre, circle &		
	14 12 2021	evolute of		
	14.12.2021	curvature and its		
		examples	]	

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		S	Service 1 at	S
		Semester:-5th	Semester :-1st	Semester:-3rd
		evolute of		
	15.12.2021	curvature and its		
		examples		
	16 12 2021	Doubts related to		
	10.12.2021	curvature		
	17 12 2021	Introduction to		
	17.12.2021	singular points		
		Types of singular		
	10 10 2021	points - node		
	18.12.2021	,cusp,conjugate		
		point		
		Examples of		
		nature of double		
	20 12 2021	point at origin		
	20.12.2021	and other than		
		origin		
		Examples of		
		nature of double		
	21.12.2021	and other than		
		origin		
		Examples of		
		nature of cusp of		
	22.12.2021	1st or 2nd		
		species, single or		
		Concavity convey		
		ity & point of		
	23.12.2021	inflexion of curve		
	24.12.2021	based examples		
	25 12 2021	Chaistana		
	23.12.2021	Conceptity convex	]	
		ity & point of		
	27.12.2021	inflexion of curve		
	28.12.2021	Test		
	29.12.2021	Introduction to		
		curve tracing	]	

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
		Examples of		
		tracing of curves		
	30.12.2021	in case of		
		cartesian		
		coordinates		
		Examples of		
	21 12 2021	in case of		
	51.12.2021	in case of		
		cartesian		
		Tracing of curves		
		in narametric		
	01 01 2022	equations and its		
	01.01.2022	evamples		
		examples		
		Tracing of curves		
		in parametric		
	03.01.2022	equations and its		
		examples		
		1		
		Tracing of curves		
		in parametric		
	04.01.2022	equations and its		
		examples		
		Tracing of polar		
	05 01 2022	curves and		
	05.01.2022	examples		
		Tracing of polar		
	06.01.2022	curves and		
		examples		
		Tracing of polar		
	07.01.2022	curves and		
		examples		
		Introduction to		
	08.01.2022	reduction		
		formulae		
		Examples using		
	10.01.2022	different		
		reduction		
		formulae	4	
		Examples using		
	11.01.2022	different		
		reduction		
		tormulae		

Week	Date	Class :-B.A.	Class:-B.A.	Class :-
·· cen	Dutt	Subject:- Groups	Subject:-algebra	B.A.Subject:-
		and Ring	Subject algebra	advance calculus
		and rung		auvance carculus
		Semester:-5th	Semester :-1st	Semester:-3rd
		Examples using		•
	12 01 2022	different		
	12.01.2022	reduction		
		formulae		
		Examples using		
	13 01 2022	different		
	13.01.2022	reduction		
		formulae		
		Examples using		
	14 01 2022	different		
	11.01.2022	reduction		
		formulae		
		Doubts related to		
	15.01.2022	reduction		
		formulae		
	17.01.2022	Test		
	18.01.2022	Introduction to		
	1010112022	rectification		
		Examples of		
	19.01.2022	length ofarc in		
		cartesian form		
		Examples of		
	20.01.2022	length ofarc in		
		cartesian form		
		Examples of		
	21.01.2022	length of		
		parametric forms		
		Examples of		
		length of		
	22.01.2022	narametric forms		
		purumetric forms		
		Examples of		
	24.01.2022	length of polar		
		forms		
		Examples of		
	25.01.2022	length of polar		
		forms		
	26.01.2022	Republic Day		
		Examples of		
	27 01 2022	intrinsic equation		
	27.01.2022	of curve		
	28.01.2022	Introduction to		
		quadrarure		
			1	
		Examplesof area		

Week	Date	Class :-B.A.	Class:-B.A.	Class :-
		Subject:- Groups	Subject:-algebra	B.A.Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
		Examples of area		
	31.01.2022	between two		
		curves		
	01.02.2022	Test		
		Examples of area		
	02.02.2022	of polar curves		
		Examples of area		
		between two		
	03.02.2022	polae curves		
		Introduction to		
	04 02 2022	volume and		
	04.02.2022	surfaces of solids		
		of revolution		
	05.02.2022	Basant Panchami	1	
		Examples of		
	07.00.0000	volume of a solid		
	07.02.2022	of revolution		
		Examples of		
		volume of		
	08.02.2022	parametric curves		
		and polar curves		
		Examples of		
		volume of		
	09.02.2022	narametric curves		
		and polar curves		
	10.00	Examples of area		
	10.02.2022	of surface of		
		revolution		
	11.00.0000	Examples of area		
	11.02.2022	of surface of		
		revolution		
		Centroid and		
	12 02 2022	pappus and		
	12.02.2022	guldin's		
		theorem, its		
		examples		
		Centroid and		
	14 02 2022	pappus and		
	14.02.2022	guiain's		
		tneorem,its		
		examples	1	

Week	Date	Class :-B.A,	Class:-B.A,	Class :-
		Subject:- Groups	Subject:-algebra	B.A,Subject:-
		and Ring		advance calculus
		Semester:-5th	Semester :-1st	Semester:-3rd
	15.02.2022	Doubts		
	16 02 2022	Guru Ravidas	-	
	10.02.2022	Jayanti	_	
	17.02.2022	Revision		
	18.02.2022	Revision		
	19.02.2022	Revision		
		Problems related		
	21 02 2022	to complete		
	21.02.2022	syllabus		
		-		
		Test of complete		
	22.02.2022	syllabus		