M.D.Govt. G	irls College ,Dad	lupur Roran	Karnal					
	on Plan (Even Se							
	4-25 (08-02-2025		5)					
Session : 202	123 (00 02 2023							
Name	Dr. Anil saini	Session	2024-25	Class	B.Sc. (I)	Subject		
						Mathematics		
Designation	Associate	Semester	IInd	Paper	Algebra	Theory/Prac.		
<u> </u>	Professor			code	&	Practical		
					Number			
					Theory			
		Paper		0	& Practic	O		
			Software in	1 Algebra	& Number	Theory		
Sr. No.	Days	Topics						
1	10-02-2025 to	Problems to	find the row	rank and	column ra	nk of a matrix.		
	14-02-2025	-	<u> </u>					
2	17-02-2025 to	Problems to	find the eige	n values a	nd eigen vo	ectors of a matrix.		
2	21-02-2025	D 11 4	C 1.11 ·		• 1 6	. •		
3	24-02-2025 to	Problems to	find the min	ımai poly	nomial of a	matrix.		
4	28-02-2025	Duahlama	f finalina inv	of a		na Carlar Hamilton		
4	03-03-2025 to 07-03-2025		i iinaing inv	erse of a	matrix usii	ng Cayley-Hamilton		
Holi Dwools (09-03-2025 to 16-	theorem.						
		,						
5	17-03-2025 to	Problems of	Problems of solving cubic equations by Cardon's method.					
	21-03-2025							
6	24-03-2025 to			iadratic e	quations by	y Descarte's method		
_	28-03-2025		& Ferrari's method.					
7	31-03-2025 to	Problems to	s to find gcd and lcm of two integers,					
0	04-04-2025	D 11 4	C* 1 14*	c 1·		• 17.1.9		
8	07-04-2025 to 11-04-2025		o tina soluti	on of lin	ear congru	ience using Euler'		
9	11-04-2025 to	theorem.	find commo	n solution	of congru	ences using Chines		
•	18-04-2025	remainder t		on solution	i oi congru	ences using Chines		
10	21-04-2025 to			nle roots	of algebra	aic equations using		
10	25-04-2025	MAXIMA.	ots & muiti	pic Toots	or argebra	are equations using		
11	28-04-2025 to		value of a do	terminan	t & inverse	e of a square matri		
**	02-05-2025	using MAX			t & mvers	or a square matri		
12	05-05-2025 to			Eigen ved	ctors of a s	square matrix usin		
	09-05-2025	MAXIMA.		9		1		
13	12-05-2025 to	To solve sys	tem of linear	equations	using MA	XIMA.		
	16-05-2025	,		•	O			
14	19-05-2025 to	To find gcd	and lcm of tv	vo or mor	e integers u	ising MAXIMA,		
	23-05-2025					<u> </u>		
15	26-05-2025 to			uadratic e	equations b	y Ferrari's metho		
	30-05-2025	using MAX	IMA.					

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M.D.Govt. Girls College ,Dadupur Roran Karnal										
Weekly Lesson Plan (Even Semester)										
Session : 2024-25 (08-02-2025 to 30-05-2025)										
Name	Dr.Anil Sain	ni	Session		1	2024-25	Class	B.Sc. (I)	Subject Mathematics	
Designation	Associate		Semester IInd Paper Algebra				Theory/Prac.			
J	Professor						code	& Number Theory	Practical	
Teaching Days	(1-4) Four d	ays	Pa	aper	Al	gebra & Ni	ımber Th	eory		
Sr. No.	Days			opics						
1	10-02-2025	to	M	atrices a	nd i	ts types, Syı	nmetric ai	nd skew sym	metric matrices,	
	14-02-2025									
2	17-02-2025	to	H	ermitian	and	skew Herm	ition matr	ices		
	21-02-2025									
3	24-02-2025	to							a matrix, Inverse of a	
	28-02-2025			atrix, Li atrix	near	dependenc	e and inde	ependence of	f rows and columns of	
4	03-03-2025	to	R	ow rank	and	column ran	k of a mat	rix		
	07-03-2025								quation of a matrix	
				C		C			•	
Holi Break (0	9-03-2025 to 1	6-03	-20	25)						
5	17-03-2025	to	M	inimal p	olyı	nomial of a	matrix, C	ayley-Hami	lton theorm and its use	
	21-03-2025								thogonal matrices.	
6	24-03-2025	to					oots and	coefficients	of general polynomial	
	28-03-2025					e variable				
7	31-03-2025	to			tions of polynomial equations having conditions on roots, Common					
	04-04-2025					iple roots		0 1		
8	07-04-2025	to				•	10n, Natu	ire of the	roots of an equation,	
	11-04-2025		D	escarte's	rule	of signs.	(C. 1	Lt	1) Di 1	
9	14-04-2025	to					ons (Card	ion's method	d) Biquadratic equation	
10	18-04-2025	to		d the so			mon divi	sor (god) I	Least common multiple	
10	21-04-2025 25-04-2025	to		ivisibilit cm).	у, О	neatest com	iiiiOii UiVl	soi (gcu), I	Least common muniple	
11	28-04-2025	to			nher	s. Fundamei	ntal theore	m of arithme	etic	
**	02-05-2025	to	• •	mic man	1001	s, i anaamei	itai tiicoic	in or untillin		
12	05-05-2025									
	09-05-2025	•			0	,				
13	12-05-2025	to	Ει	ıler's the	orer	n, Wilson's	theorem a	nd its conve	rse	
	16-05-2025									
14	19-05-2025	to	C	hinese I	Rema	ainder theo	rem, Line	ear Diophan	ntine equations in two	
	23-05-2025		va	riables.						
15	26-05-2025	to	R	evision a	ınd T	Γest				
	30-05-2025									

M.D.Govt. G	Firls College ,Dad	upur Roran k	Karnal				
	on Plan (Even Se						
	4-25 (08-02-2025		5)				
Name	Dr. Anil saini	Session	2024-25	Class	B.Sc. (II)	Subject Mathematics	
Designation	Associate Professor	Semester	IVth	Paper Name & code	Analytic Geometry& Vector Calculus	Theory/Prac. Practical	
Sr. No.	Days	Topics					
1	10-02-2025 to	-	ctor product	of three ve	octors four vect	ors, reciprocal vectors,	
1	14-02-2025		•			ctional derivatives	
2	17-02-2025 to					or point functions, their	
2	21-02-2025	geometrical m	•		-	point functions, then	
3	24-02-2025 to					meanings and vector	
_	28-02-2025	identities.	•	,	o .	J	
4	03-03-2025 to	Vector integra	tion: line inte	gral, surface	integral and vol	ume integral.	
	07-03-2025					-	
Holi Break (09-03-2025 to 16-	03-2025)					
5	17-03-2025 to 21-03-2025	Vector integration: line integral, surface integral and volume integral.					
6	24-03-2025 to 28-03-2025	Theorem of Gauss, Green, Stoke and problems based on these.					
7	31-03-2025 to	·	Sphere: General form, Plane section of a sphere. Sphere through a given circle. ntersection of two spheres, tangent plane and line, polar plane and line				
8	04-04-2025 07-04-2025 to						
o	11-04-2025	spheres.	Orthogonal spheres, radical plane of two spheres and co-axal system or spheres.				
9	14-04-2025 to	Cone: Equation	n of a cone,	right circula	r cone, quadric	cone, enveloping cone.	
	18-04-2025	Tangent plane	and conditio	n of tangend	y.		
10	21-04-2025 to		•			der. Central Conicoids:	
	25-04-2025	•	• .	. Director s	phere. Normal t	to the conicoids. Polar	
11	20.04.2027	plane of a poin		anial for t		ftt-lfl	
11	28-04-2025 to			-		of a conicoid, confocal	
12	02-05-2025	conicoid, redu				conic coctions: contra	
12	05-05-2025 to 09-05-2025			_	directrices of co	conic sections; centre,	
13	12-05-2025 to					ole of line to a conic,	
13	16-05-2025	director circle		come, cho	a or contact, p	or or mic to a corne,	
14	19-05-2025 to			ngent and n	ormal to a conic	, confocal conics.	
	23-05-2025			-			
15	26-05-2025 to	Revision and T	Cest				
	30-05-2025						

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	<u>4-25 (08-02-2025</u>		<u> </u>				
Name	Dr. Anil saini	Session	2024-25	Class	B.SC/B.Com. (I)	Subject Mathematics	
Designation	Associate Professor	Semester	IInd	Paper	Numerical Ability Enhancement Skills	Theory	
		Paper			1		
Sr. No.	Days	Topics					
1	10-02-2025 to 14-02-2025	HCF, LCM of in	tegers, Ratio a	and Proport	ion, Progressions		
2	17-02-2025 to 21-02-2025		•		rogression, Harm ions, Number serie	onic Progression withes completion.	
3	24-02-2025 to 28-02-2025	Percentage, P		Alligation	or mixture, Av	erage, Average speed	
4	03-03-2025 to 07-03-2025	Percentage, P	-	Alligation	or mixture, Av	erage, Average speed	
Holi Break (09-03-2025 to 16-	-03-2025)					
5	17-03-2025 to 21-03-2025	Percentage, P		Alligation	or mixture, Av	erage, Average speed	
6	24-03-2025 to 28-03-2025		Logarithms, Area of Quadrilaterals				
7	31-03-2025 to 04-04-2025	Volume and Hemisphere.	surface area	of Cube,	Cuboid, Cylinde	r, Cone, Sphere and	
8	07-04-2025 to 11-04-2025		surface area	of Cube,	Cuboid, Cylinde	r, Cone, Sphere and	
9	14-04-2025 to 18-04-2025	Volume and Hemisphere.	surface area	of Cube,	Cuboid, Cylinde	r, Cone, Sphere and	
10	21-04-2025 to 25-04-2025	Real number s	ystem, Operat	ions on nur	nbers		
11	28-04-2025 to 02-05-2025	Tests for divisi	Tests for divisibility of natural numbers				
12	05-05-2025 to 09-05-2025	Tests for Decir	nals, Fractions				
13	12-05-2025 to 16-05-2025	Square roots, (Cube roots,				
14	19-05-2025 to 23-05-2025	Surds and indi	ces, Use of BO	DMAS.			
15	26-05-2025 to 30-05-2025	Revision and T	Test				

M D Govt G	irls College ,Dad	lunur Roran I				
	on Plan (Even Se		<u>xai iiai</u>			
	4-25 (08-02-2025		5)			
Session : 202	1 23 (00 02 2023		<i>,</i>			
Name	Dr. Anil saini	Session	2024-25	Class	B.Com. (I)	Subject
						Mathematics
Designation	Associate	Semester	IInd	Paper	Business	Theory
	Professor				Mathematics	
					-II	
		Paper				
Sr. No.	Days	Topics				
1	10-02-2025 to	Linear progran	nming: Formu	lation of lin	ear programming	problems
	14-02-2025					
2	17-02-2025 to	Linear progran	nming: solutio	on by graphi	cal and simplex m	ethods
2	21-02-2025	A 1: .:	.			
3	24-02-2025 to		f linear progra	amming in s	solving problems i	related to business and
4	28-02-2025	commerce.		fainamla fiin	ations.	
4	03-03-2025 to 07-03-2025	Differentiation	i; derivative o	r simple fun	ctions	
Holi Brook (09-03-2025 to 16-	03 2025)				
`						
5	17-03-2025 to	Differentiation	n; other functi	ons (excludi	ng trigonometric	functions)
	21-03-2025					
6	24-03-2025 to					Maxima and minima of
	28-03-2025	related to busi			Profit functions	and other functions
7	31-03-2025 to				mnle functions e	excluding trigonometric
,	04-04-2025	functions)	ennice and n	idelilite (Si	imple functions e	xcidding trigonometric
8	07-04-2025 to	, , , , , , , , , , , , , , , , , , ,	efinite and in	ndefinite (si	mnle functions e	excluding trigonometric
O	11-04-2025	functions)	emine and n	idelilite (3i	imple functions e	Acidaling trigonometric
9	14-04-2025 to	•	asic rules of i	ntegration	application of inte	egration in commercial
	18-04-2025	and business p			app.:	-8. a a. a
10	21-04-2025 to			ntegration,	application of into	egration in commercial
	25-04-2025	and business p		,	• •	
11	28-04-2025 to	Integration: Ba	asic rules of i	ntegration,	application of into	egration in commercial
	02-05-2025	and business p	roblems.			
12	05-05-2025 to	Binomial Theo	rem			
	09-05-2025					
13	12-05-2025 to	Permutations	and Combina	tions.		
	16-05-2025					
14	19-05-2025 to	Permutations	and Combinat	ions.		
	23-05-2025					
15	26-05-2025 to	Revision and T	Γest			
	30-05-2025					