

**Dayanand Mahila Mahavidyalaya,  
Lesson Plan (Odd Semester)**

Session 2022-23 (01.09.2022 to 24.12.2022)

Name of Teacher:-Dr. Upasana Ahuja

Subject :-mathematics

Week	Date	Class :-B.A.2nd year	Class :-B.A 2nd year	Class:-B.A 3rd year
		Semester - 3rd(P.D.E)	Semester :-3rd(statics)	Semester :-5th(groups and rings)
	01.09.2022	ch:-1 Introduction of partial differential equations	ch:-1 Introduction of force acting at a point	ch-1 introduction,binary operation,some properties of binary operation,algebraic
	02.09.2022	example of exercise	Parallelogram law of force,magnitude and direction of the resultant	order of group,finite and infinite groups,
	03.09.2022	introduction of formation of pde and based examples and problem related to chapter 1	examples of exercise 1.1	based examples
	05.09.2022		remaining example of 1.1	integral power of element,general properties of group
	06.09.2022		topic-components of a given force in two direction	based examples
	07.09.2022		resolved part of a given force and based examples	order of element of group,related theorems
	08.09.2022	ch-2 introduction of first order linear pde and based examples	triangle law of forces and based examples	based examples
	09.09.2022	solution of Lagrange's linear equations and based examples	important theorem and based examples	complexes and subgroup of a group
	10.09.2022	example based on ch-2	lami's theorem and based examples	related theorems
	12.09.2022		polygon law of forces and based examples	product and interection of subgroups,related theorem
	13.09.2022		resultant of any number of concurrent and coplanar forces	based examples
	14.09.2022		condition of equilibrium of concurrent forces and based examples	cyclic group,some theorems on cyclic group
	15.09.2022	ch-3 introduction of first order non linear pde and based examples	equilibrium of bodies placed on a smooth inclined plane and based examples	based examples and problem related to ch-1
	16.09.2022		problem based on ch-1	test
	17.09.2022	charpit's method and based examples	ch-2 introduction of parallel forces	ch-2 cosets,some theorem on cosets
	19.09.2022		important theorem and based examples	based examples
	20.09.2022		examples based on parallel forces	index of subgroups,relation of congruence modulo,lagrange theorem
	21.09.2022		ch-3 introduction of moments and based examples	normsl subgroups,simple group,some theorem
	22.09.2022	some standard form and based examples	varigon's theorem and based examples	quotient group,some theorem and examples

Week	Date	Class :-B.A2nd year	Class :-B.A 2nd year	Class:-B.A 3rd year
		Semester - 3rd(P.D.E)	Semester :-3rd(statics)	Semester :-5th(groups and rings)
	23.09.2022	<b>Shaheedi Diwas/Haryana War Hero's Martyrdom Day</b>		
	24.09.2022	jacobi's method and based examples	important theorem and based examples	test
	26.09.2022	<b>Maharaja Agrasen Jayanti</b>		
	27.09.2022		examples based on moment	ch-3 introduction,homomorphism and isomorphism of groups
	28.09.2022		examples based on ch-4	some theorems
	29.09.2022	ch-4 introduction of linear pde of second and higher order	ch-5 introduction of analytical condition of equilibrium of co-planer forces	based examples
	30.09.2022	examples of 4.1	based examples	fundamental theorem on homomorphism of group,second,third theorem of isomorphism
	01.10.2022	examples of 4.2	problem based on ch-5	automorphism of group and examples
	03.10.2022		ch-6 introduction of friction	group of automorphism of group,inner automorphism
	04.10.2022		examples based on friction	some theorems
	05.10.2022	<b>Dussehra</b>		
	06.10.2022	problem based on ch-4	examples based on friction	based examples
	07.10.2022	test of ch:-1	examples based on friction	center of a group,theorem
	08.10.2022	ch-5 introduction of pde with variable coefficient reducible to equations with constant coefficient	problem related to ch-6	example related to center and characteristics
	10.10.2022		ch-7 introduction of centre of gravity	normalizer,some theorem
	11.10.2022		important theorem on centre of gravity	commutator and some theorems
	12.10.2022		examples based on centre of gravity	problem related to ch-3
	13.10.2022	based examples	centre of gravity and based examples	test of ch-3
	14.10.2022	problem based on ch-5	examples based on ch-7	ch-4 permutation groups,product of permutation,examples
	15.10.2022	ch-6 introduction of canonical form of second order linear pde	test of ch-1+assignment	identify permutation,inverse permutation,symmetric group
	17.10.2022		problem related to ch-7	cyclic permutation,transposition,alternating group,cayley theorem
	18.10.2022		ch-8 introduction of virtual work,principle of virtual work	problem related to ch-4
	19.10.2022		based examples	test of ch-4
	20.10.2022	problem related to ch-6	based examples and related problem	ch-5 introduction ring,types of ring
	21.10.2022	reduction of 2nd order linear pde to canonical form	test of ch-4	examples of ring
	<b>22.10.2022 to 26.10.2022</b>		<b>Diwali Vacations</b>	
	27.10.2022	examples based on reduction of hyperbolic equatins to its canonical form	ch-9 introduction of forces in three dimensions and based theorems	integral domain,division ring,field

Week	Date	Class :-B.A2nd year	Class :-B.A 2nd year	Class:-B.A 3rd year
		Semester - 3rd(P.D.E)	Semester :-3rd(statics)	Semester :-5th(groups and rings)
	28.10.2022	examples based on reduction of hyperbolic equatins	based examples	some theorems
	29.10.2022	based examples on 6.3	based examples	based examples
	31.10.2022		based examples	subring,some theorems on subring
	01.11.2022	<b>Haryana Day</b>		
	02.11.2022		problem related to ch-9	center of ring,examples
	03.11.2022	reduction of elliptic equation to the canonical form	test	characteristic of ring,some theorems
	04.11.2022	based examples	ch-10 introduction of wrenches and based theorem	problem related to ch-5
	05.11.2022	problem related to ch-6	based theorem	assignment+test
	07.11.2022		based examples	ch-6 introduction,some definition of ideals,sum and product of ideals
	08.11.2022	<b>Guru Nanak Dev Jayanti</b>		
	09.11.2022		based examples	related theorems
	10.11.2022	test of section 1st	problem related to ch-10	simple ring,theorems,prime ideal
	11.11.2022	ch-7 introduction of ch-7	ch-11 introduction of null lines and null planes	principle ideal domain,theorem
	12.11.2022	monge's mdethod	based theorem	maximal ideal,prime ideal,co maximal ideal
	14.11.2022		based examples	based examples
	15.11.2022		based examples	quotient ring
	16.11.2022		test	based theorems
	17.11.2022	based examples	ch-12 introduction of stable,unstable and neutral equilibrium	problem related to ch-6+test
	18.11.2022	examples based on 7.1	based theorem	ch-7 ring homomorphism,based theorms
	19.11.2022	remaining examples of 7.1	important topics of ch-12	kernel of ring homomorphism,theorem,based examples
	21.11.2022		based examples	fundamental theorem on homomorphism of ring,second,third theorem of isomorphism
	22.11.2022		based examples	based examples
	23.11.2022		problem related to ch-12	embedded ring,field of quotient of integral domain
	24.11.2022	examples based on 7.2	prpblem related to ch-1	based examples
	25.11.2022	problem based on ch-7	prpblem related to ch-2	problem related to ch-7
	26.11.2022	test of ch-4	prpblem related to ch-3	ch-8 introduction,divisibility in commutative ring,theorems
	28.11.2022	problem based on chapter 7		prime element,irreducible element,g.c.d,l.c.m,theorems
	29.11.2022	assignment of section 1		euclidean rings,examples

Week	Date	Class :-B.A2nd year	Class :-B.A 2nd year	Class:-B.A 3rd year
		Semester - 3rd(P.D.E)	Semester :-3rd(statics)	Semester :-5th(groups and rings)
	30.11.2022	ch-8 characteristics of 2nd order pde and cauchy's problem	test of unit 1	principle ideal domain,theorem
	01.12.2022	characteristics equations and characteristics curve		based theorems and examples
	02.12.2022	based examples		problem related to ch-8+test
	03.12.2022	test of ch-6		ch-9 polynomial ring,theorems
	05.12.2022	cauchy's problem+based examples		based examples
	06.12.2022	remaining examples	test of unit 2	based examples
	07.12.2022	ch-9 method of sepration of variable-wave,heat and laplace equations		problem related to ch-9
	08.12.2022	test of ch-7		test of ch-9
	09.12.2022	based examples		problem related to unit-1
	10.12.2022	method of separation of variable	test of unit 3	problem related to unit1
	12.12.2022	1D wave equation-solution by method of separation of variable		test
	13.12.2022	based examples		problem related to unit-2
	14.12.2022	solution of 1D Wave equation-solution satisfying the given boundary and initial condition		problem related to unit-2
	15.12.2022	based examples		test of unit-2
	16.12.2022	test of ch-8		problem related to unit-3
	17.12.2022	problem related to 9.1		problem related to unit 3
	19.12.2022	solution of two dimentional heat equations		problem related to unit 3
	20.12.2022	<b>examples based on 9.2</b>	test of unit4	test of unit-3
	21.12.2022	based examples		problem related to unit 4
	22.12.2022	solution of two dimentional laplace equations		problem related to unit 4
	23.12.2022	solution of laplace equations satisfying given initial and boundary conditions		problem related to unit 4
	24.12.2022	doubt		test of unit-4

<b>Dayanand Mahila Mahavidyalaya, Kurukshetra</b>				
<b>Lesson Plan (Odd Semester)</b>				
<b>Session 2022-23 (01.09.2022 to 24.12.2022)</b>				
<b>Name of Teacher:-Dr. Upasana Ahuja</b>				
<b>Subject :-Mathematics</b>				
<b>Week</b>	<b>Date</b>	<b>Class :-B.A+B.Sc(1st year)</b>	<b>Class :-B.A+B.Sc(1st year)</b>	<b>Class .....</b>
		<b>Semester - I(algebra)</b>	<b>Semester:-I(Solid Geometry)</b>	<b>Semester .....</b>
	01.09.2022	<b>Orientation Course</b>	<b>Orientation Course</b>	
	02.09.2022	<b>Orientation Course</b>	<b>Orientation Course</b>	
	03.09.2022	Introduction to new course		
	05.09.2022	Introduction to matrices,types of matrices	Introduction to course and basic defination	
	06.09.2022	Types of matrices-symmetric,skew-symmetric	General equation of second degree and different type of	
	07.09.2022	Types of matrices with properties and examples	Examples of different second degree equations	
	08.09.2022	<b>Types of matrices with properties and examples</b>		
	09.09.2022	Rank of matrices using determinat method		
	10.09.2022	Elementry row and column operations		
	12.09.2022	Row equivalent,column equivalent and equivalent	Examples of different second degree equations	
	13.09.2022	Row equivalent,column equivalent and equivalent	Tracing of conics and examples	
	14.09.2022	Row and column echelon matrices,row and column	Tracing of conics and examples	
	15.09.2022	Normal form of a matrix and elementry matrix		
	16.09.2022	Examples to find rank of matrix by reducing to normal		
	17.09.2022	Inverse of a matrix using elementry opeations		
	19.09.2022	Linear depedence and independence	Tangent at any point to the conic,chord of contact with	
	20.09.2022	Characterstic polynomial, equation,eigen values	Tangent at any point to the conic,chord of contact with	
	21.09.2022	Cayley-hamilton theorems and its use in findig inverse	Pole of line to conic with examples	
	22.09.2022	Monic polynomial, minimal polynomial and equation		
	23.09.2022	<b>Shaheedi Diwas/Haryana War Hero's Martyrdom Day</b>		
	24.09.2022	Applications of matrices to a system of linear		

Week	Date	Class :-B.A+B.Sc(1st year)	Class :-B.A+B.Sc(1st year)	Class .....
		Semester - I(algebra)	Semester:-I(Solid Geometry)	Semester .....
	26.09.2022	<b>Maharaja Agrasen Jayanti</b>		
	27.09.2022	Applications of matrices to a system of linear	Pole of line to conic with examples	
	28.09.2022	Sessional+Assignment	Director circle of conic with examples	
	29.09.2022	Applications of matrices to a system of linear		
	30.09.2022	Theorems on consistency of a system of linear		
	01.10.2022	Theorems on consistency of a system of linear		
	03.10.2022	Unitary and orthogonal matrices with examples	Director circle of conic with examples	
	04.10.2022	Bilinear and quadratic forms with examples	Systems of conics with examples	
	05.10.2022	<b>Dussehra</b>		
	06.10.2022	Synthetic division and examples		
	07.10.2022	Relation between the roots and coefficient of general		
	08.10.2022	Relation between the roots and coefficient of general		
	10.10.2022	Solution of polynomial equation having conditions	Systems of conics with examples	
	11.10.2022	Common roots and multiple roots examples	Confocal conics, examples	
	12.10.2022	Common roots and multiple roots examples	Polar equation of a conic with examples	
	13.10.2022	Transformation of equation with different		
	14.10.2022	Transformation of equation with different		
	15.10.2022	Transformation of equation with different		
	17.10.2022	Solutions of cubic and biquadratic equation	Tangent and normal to the conic, examples	
	18.10.2022	Cardan's method of solving a cubic equation, examples	Tangent and normal to the conic, examples	
	19.10.2022	Cardan's method of solving a cubic equation, examples	Definition of sphere and examples	
	20.10.2022	Cardan's method of solving a cubic equation, examples		
	21.10.2022	Test		
	<b>22.10.2022 to 26.10.2022</b>		<b>Diwali Vacations</b>	
	27.10.2022	Cardan's method of solving a cubic equation, examples		

Week	Date	Class :-B.A+B.Sc(1st year)	Class :-B.A+B.Sc(1st year)	Class .....
		Semester - I(algebra)	Semester:-I(Solid Geometry)	Semester .....
	28.10.2022	Cardan's method of solving a cubic equation, examples		
	29.10.2022	Descarte's solution of the biquadratic, examples		
	31.10.2022	Descarte's solution of the biquadratic, examples	Plane section of sphere and example	
	01.11.2022	<b>Haryana Day</b>		
	02.11.2022	Descarte's solution of the biquadratic, examples	Plane section of sphere and example	
	03.11.2022	Test		
	04.11.2022	Descarte's solution of the biquadratic, examples		
	05.11.2022	Descarte's solution of the biquadratic, examples		
	07.11.2022	Ferrari method of solving a biquadratic, examples	Sphere through a given circleand based examples	
	08.11.2022	<b>Guru Nanak Dev Jayanti</b>		
	09.11.2022	Ferrari method of solving a biquadratic, examples	Sphere through a given circleand based examples	
	10.11.2022	Test		
	11.11.2022	Descarte's rule of signs		
	12.11.2022	Descarte's rule of signs		
	14.11.2022	Continuation or permanence of signs	Sphere through a given circleand based examples	
	15.11.2022	Complex roots	Intersection of two spheres and examples	
	16.11.2022		Intersection of two spheres and examples	
	17.11.2022		Sessional	
	18.11.2022		Radical plane of two spheres, based examples	
	19.11.2022		co-axal system of spheres with examples	
	21.11.2022	test of unit 1	Definition of cone and examples	
	22.11.2022		Right circular cone with examples	
	23.11.2022		Enveloping cone and examples	
	24.11.2022		Reciprocal cone with examples	
	25.11.2022		Right circular cylinder and examples	
	26.11.2022		Enveloping cylinder	
	28.11.2022	test of unit 2	Central conicodis, equation of tangent plane, examples	
	29.11.2022		Central conicodis, equation of tangent plane, examples	

Week	Date	Class :-B.A+B.Sc(1st year)	Class :-B.A+B.Sc(1st year)	Class .....
		Semester - I(algebra)	Semester:-I(Solid Geometry)	Semester .....
	30.11.2022		Director sphere and examples	
	01.12.2022		Normal to the conicoids and examples	
	02.12.2022		Polar plane of a point and examples	
	03.12.2022		Enveloping cone of a conicoid and examples	
	05.12.2022	test of unit 3	Enveloping cone of a conicoid and examples	
	06.12.2022		Enveloping cone of a conicoid and examples	
	07.12.2022		Enveloping cylinder of a conicoid and examples	
	08.12.2022		test+assignment	
	09.12.2022		Enveloping cylinder of a conicoid and examples	
	10.12.2022		Enveloping cylinder of a conicoid and examples	
	12.12.2022	test of unit 4	Paraboloids and circular section with examples	
	13.12.2022		Paraboloids and circular section with examples	
	14.12.2022		Paraboloids and circular section with examples	
	15.12.2022		Plane section of conicoids and examples	
	16.12.2022		Plane section of conicoids and examples	
	17.12.2022		Generating lines and examples	
	19.12.2022	test of full syllabus	Confocal conicoid and examples	
	20.12.2022		Reduction of second degree equation and examples	
	21.12.2022		revision	
	22.12.2022		doubt	
	23.12.2022		revision	
	24.12.2022		test	



# Dayanand Mahila Mahavidyalaya, Kur+A1:I80ukshetra

## Lesson Plan (Odd Semester)

Session 2022-23 (01.09.2022 to 24.12.2022)

Name of Teacher:-Dr. Upasana Ahuja

Subject :-mathematics

Week	Date	Class :-B.sc 2nd year	Class :-B.sc 2nd year	Class:-B.sc3rd year
		Semester - 3rd(P.D.E)	Semester :-3rd(statics)	Semester :-5th(groups and rings)
	01.09.2022	ch:-1 Introduction of partial differential	ch:-1 Introduction of force acting at a point	ch-1 introduction, binary operation, some properties
	02.09.2022	example of exercise	Parallelogram law of force, magnitude and	order of group, finite and infinite groups.
	03.09.2022	introduction of formation of nde and based examples	examples of exercise 1.1	based examples
	05.09.2022		remaining example of 1.1	integral power of element, general properties
	06.09.2022		topic-components of a given force in two direction	based examples
	07.09.2022		resolved part of a given force and based examples	order of element of group, related theorems
	08.09.2022	ch-2 introduction of first order linear nde and	triangle law of forces and based examples	based examples
	09.09.2022	solution of Lagrange's linear equations and based	important theorem and based examples	complexes and subgroup of a group
	10.09.2022	example based on ch-2	lami's theorem and based examples	related theorems
	12.09.2022		polygon law of forces and based examples	product and interection of subgroups, related theorem
	13.09.2022		resultant of any number of concurrent and coplanar	based examples
	14.09.2022		condition of equilibrium of concurrent forces and based	cyclic group, some theorems on cyclic group
	15.09.2022	ch-3 introduction of first order non linear nde and	equilibrium of bodies placed on a smooth inclined	based examples and problem related to ch-1
	16.09.2022		problem based on ch-1	test
	17.09.2022	charpit's method and based examples	ch-2 introduction of parallel forces	ch-2 cosets, some theorem on cosets
	19.09.2022		important theorem and based examples	based examples
	20.09.2022		examples based on parallel forces	index of subgroups, relation of congruence
	21.09.2022		ch-3 introduction of moments and based	normsl subgroups, simple group, some theorem
	22.09.2022	some standard form and based examples	varigon's theorem and based examples	quotient group, some theorem and examples
	23.09.2022	Shaheedi Diwas/Haryana War Hero's Martyrdom Day		
	24.09.2022	jacobi's method and based examples	important theorem and based examples	test
	26.09.2022	Maharaja Agrasen Jayanti		
	27.09.2022		examples based on moment	ch-3 introduction, homomorphism
	28.09.2022		examples based on ch-4	some theorems
	29.09.2022	ch-4 introduction of linear nde of second and higher	ch-5 introduction of analytical condition of	based examples
	30.09.2022	examples of 4.1	based examples	fundamental theorem on homomorphism of
	01.10.2022	examples of 4.2	problem based on ch-5	automorphism of group and examples
	03.10.2022		ch-6 introduction of friction	group of automorphism of group, inner automorphism
	04.10.2022		examples based on friction	some theorems

Week	Date	Class :-B.sc 2nd year	Class :-B.sc 2nd year	Class:-B.sc3rd year
		Semester - 3rd(P.D.E)	Semester :-3rd(statics)	Semester :-5th(groups and rings)
	05.10.2022	<b>Dussehra</b>		
	06.10.2022	problem based on ch-4	examples based on friction	based examples
	07.10.2022	test of ch:-1	examples based on friction	center of a group,theorem
	08.10.2022	ch-5 introduction of pde with variable coefficient	problem related to ch-6	example related to center and characteristics
	10.10.2022		ch-7 introduction of centre of gravity	normalizer,some theorem
	11.10.2022		important theorem on centre of gravity	commutator and some theorems
	12.10.2022		examples based on centre of gravity	problem related to ch-3
	13.10.2022	based examples	centre of gravity and based examples	test of ch-3
	14.10.2022	problem based on ch-5	examples based on ch-7	ch-4 permutation groups,product of
	15.10.2022	ch-6 introduction of canonical form of second	test of ch-1+assignment	identify permutation,inverse permutation, symmetric
	17.10.2022		problem related to ch-7	cyclic permutation,transposition,alt
	18.10.2022		ch-8 introduction of virtual work,principle of virtual	problem related to ch-4
	19.10.2022		based examples	test of ch-4
	20.10.2022	problem related to ch-6	based examples and related problem	ch-5 introduction ring,types of ring
	21.10.2022	reduction of 2nd order linear pde to canonical form	test of ch-4	examples of ring
	<b>22.10.2022 to 26.10.2022</b>		<b>Diwali Vacations</b>	
	27.10.2022	examples based on reduction of hyperbolic	ch-9 introduction of forces in three dimensions and	integral domain,division ring,field
	28.10.2022	examples based on reduction of hyperbolic	based examples	some theorems
	29.10.2022	based examples on 6.3	based examples	based examples
	31.10.2022		based examples	subring,some theorems on subring
	01.11.2022	<b>Haryana Day</b>		
	02.11.2022		problem related to ch-9	center of ring,examples
	03.11.2022	reduction of elliptic equation to the canonical	test	characteristic of ring,some theorems
	04.11.2022	based examples	ch-10 introduction of wrenches and based theorem	problem related to ch-5
	05.11.2022	problem related to ch-6	based theorem	assignment+test
	07.11.2022		based examples	ch-6 introduction,some definition of ideals,sum and
	08.11.2022	<b>Guru Nanak Dev Jayanti</b>		
	09.11.2022		based examples	related theorems
	10.11.2022	test of section 1st	problem related to ch-10	simple ring,theorems,prime ideal
	11.11.2022	ch-7 introduction of ch-7	ch-11 introduction of null lines and null planes	principle ideal domain,theorem
	12.11.2022	monge's method	based theorem	maximal ideal,prime ideal,co maximal ideal
	14.11.2022		based examples	based examples
	15.11.2022		based examples	quotient ring
	16.11.2022		test	based theorems

Week	Date	Class :-B.sc 2nd year	Class :-B.sc 2nd year	Class:-B.sc3rd year
		Semester - 3rd(P.D.E)	Semester :-3rd(statics)	Semester :5th(groups and rings)
	17.11.2022	based examples	ch-12 introduction of stable,unstable and neutral	problem related to ch-6+test
	18.11.2022	examples based on 7.1	based theorem	ch-7 ring homomorphism,based
	19.11.2022	remaining examples of 7.1	important topics of ch-12	kernel of ring homomorphism,theorem,bas
	21.11.2022		based examples	fundamental theorem on homomorphism of
	22.11.2022		based examples	based examples
	23.11.2022		problem related to ch-12	embedded ring,field of quotient of integral domain
	24.11.2022	examples based on 7.2	prpbem related to ch-1	based examples
	25.11.2022	problem based on ch-7	prpbem related to ch-2	problem related to ch-7
	26.11.2022	test of ch-4	prpbem related to ch-3	ch-8 introduction,divisibility in
	28.11.2022	problem based on chapter 7		prime element,irreducible element,g.c.d.l.c.m.theorems
	29.11.2022	assignment of section 1		euclidean rings,examples
	30.11.2022	ch-8 characteristics of 2nd order ode and cauchy's	test of unit 1	principle ideal domain,theorem
	01.12.2022	characteristics equations and characteristics curve		based theorems and examples
	02.12.2022	based examples		problem related to ch-8+test
	03.12.2022	test of ch-6		ch-9 polynomial ring,theorems
	05.12.2022	cauchy's problem+based examples		based examples
	06.12.2022	remaining examples	test of unit 2	based examples
	07.12.2022	ch-9 method of sepration of variable-wave,heat and		problem related to ch-9
	08.12.2022	test of ch-7		test of ch-9
	09.12.2022	based examples		problem related to unit-1
	10.12.2022	method of separation of variable	test of unit 3	problem related to unit1
	12.12.2022	1D wave equation-solution by method of separation of		test
	13.12.2022	based examples		problem related to unit-2
	14.12.2022	solution of 1D Wave equation-solution satisfving		problem related to unit-2
	15.12.2022	based examples		test of unit-2
	16.12.2022	test of ch-8		problem related to unit-3
	17.12.2022	problem related to 9.1		problem related to unit 3
	19.12.2022	solution of two dimentional heat equations		problem related to unit 3
	20.12.2022	examples based on 9.2	test of unit4	test of unit-3
	21.12.2022	based examples		problem related to unit 4
	22.12.2022	solution of two dimentional laplace equations		problem related to unit 4
	23.12.2022	solution of laplace equations satisfving given		problem related to unit 4
	24.12.2022	doubt		test of unit-4

Dayanand Mahila Mahavidyalaya, Kurukshetra			
Lesson Plan (Odd Semester)			
Session 2022-23 (01.09.2022 to 24.12.2022)			
Name of Teacher:Ms. Sukriti			
Subject :-Mathematics			
Week	Date	Class :-B.Sc(1st year)	
		Semester - I(algebra)	
	01.09.2022	Orientation Course	
	02.09.2022	Orientation Course	
	03.09.2022	Introduction to new course	
	05.09.2022	Introduction to matrices,types of matrices	
	06.09.2022	Types of matrices-symmetric,skew-symmetric	
	07.09.2022	Types of matrices with properties and examples	
	08.09.2022	<b>Types of matrices with properties and examples</b>	
	09.09.2022	Rank of matrices using determinat method	
	10.09.2022	Elementry row and column operations	
	12.09.2022	Row equivalent,collumn equivalent and equivalent	
	13.09.2022	Row equivalent,collumn equivalent and equivalent	
	14.09.2022	Row and column echelon matrices,row and column	
	15.09.2022	Normal form of a matrix and elementry matrix	
	16.09.2022	Examples to find rank of matrix by reducing to normal	
	17.09.2022	Inverse of a matrix using elementry opreations	
	19.09.2022	Linear depedence and independence	
	20.09.2022	Characterstic polynomial, equation,eigen values	
	21.09.2022	Cayley-hamilton theorems and its use in findig inverse	
	22.09.2022	Monic polynomial, minimal polynomial and equation	
	23.09.2022	<b>Shaheedi Diwas/Haryana War Hero's Martyrdom Day</b>	
	24.09.2022	Applications of matrices to a system of linear	
	26.09.2022	<b>Maharaja Agrasen Jayanti</b>	
	27.09.2022	Applications of matrices to a system of linear	
	28.09.2022	Sessional+Assignment	
	29.09.2022	Applications of matrices to a system of linear	
	30.09.2022	Theorems on consistecy of a system of liner	
	01.10.2022	Theorems on consistecy of a system of liner	
	03.10.2022	Unitary and orthogonal matrices with examples	
	04.10.2022	Bilinear and quardratic forms with examples	
	05.10.2022	<b>Dussehra</b>	
	06.10.2022	Synthetic division and examples	
	07.10.2022	Relation between the roots and coefficient of general	
	08.10.2022	Relation between the roots and coefficient of general	
	10.10.2022	Solution of polynomial equation having conditions	
	11.10.2022	Common roots and multupal roots examples	
	12.10.2022	Common roots and multupal roots examples	
	13.10.2022	Transformation of equation with different	
	14.10.2022	Transformation of equation with different	
	15.10.2022	Transformation of equation with different	
	17.10.2022	Solutions of cubic and biquadratic equation	
	18.10.2022	Cardan's method of solving a cubic equation, examples	
	19.10.2022	Cardan's method of solving a cubic equation, examples	
	20.10.2022	Cardan's method of solving a cubic equation, examples	
	21.10.2022	Test	
	<b>22.10.2022 to 26.10.2022</b>		<b>Vacations</b>
	27.10.2022	Cardan's method of solving a cubic equation, examples	
	28.10.2022	Cardan's method of solving a cubic equation, examples	
	29.10.2022	Descarte's solution of the biquadratic, examples	

Week	Date	Class :-B.Sc(1st year)	
		Semester - I(algebra)	
	31.10.2022	Descarte's solution of the biquadratic, examples	
	01.11.2022	<b>Haryana Day</b>	
	02.11.2022	Descarte's solution of the biquadratic, examples	
	03.11.2022	Test	
	04.11.2022	Descarte's solution of the biquadratic, examples	
	05.11.2022	Descarte's solution of the biquadratic, examples	
	07.11.2022	Ferrari method of solving a biquadratic, examples	
	08.11.2022	<b>Guru Nanak Dev Jayanti</b>	
	09.11.2022	Ferrari method of solving a biquadratic, examples	
	10.11.2022	Test	
	11.11.2022	Descarte's rule of signs	
	12.11.2022	Descarte's rule of signs	
	14.11.2022	Continuation or permanence of signs	
	15.11.2022	Complex roots	
	16.11.2022		
	17.11.2022		
	18.11.2022		
	19.11.2022		
	21.11.2022	test of unit 1	
	22.11.2022		
	23.11.2022		
	24.11.2022		
	25.11.2022		
	26.11.2022		
	28.11.2022	test of unit 2	
	29.11.2022		
	30.11.2022		
	01.12.2022		
	02.12.2022		
	03.12.2022		
	05.12.2022	test of unit 3	
	06.12.2022		
	07.12.2022		
	08.12.2022		
	09.12.2022		
	10.12.2022		
	12.12.2022	test of unit 4	
	13.12.2022		
	14.12.2022		
	15.12.2022		
	16.12.2022		
	17.12.2022		
	19.12.2022	test of full syllabus	
	20.12.2022		
	21.12.2022		
	22.12.2022		
	23.12.2022		
	24.12.2022		

# Dayanand Mahila Mahavidyalaya, Kurukshetra

## Lesson Plan (Odd Semester)

Session 2022-23 (01.09.2022 to 24.12.2022)

Name of Teacher:-

Subject :-mathematics

Week	Date	Class :-B.sc 2nd year Semester - 3rd(P.D.E)	Class :-B.sc 2nd year Semester :-3rd(statics)	Class:-B.sc3rd year Semester :-5th(groups and rings)
	01.09.2022	ch:-1 Introduction of partial differential equations	ch:-1 Introduction of force acting at a point	ch-1 introduction,binary operation,some properties of binary operation,algebraic
	02.09.2022	example of exercise	Parallelogram law of force,magnitude and direction of the resultant	order of group,finite and infinite groups,
	03.09.2022	introduction of formation of pde and based examples and problem related to chapter 1	examples of exercise 1.1	based examples
	05.09.2022		remaining example of 1.1	integral power of element,general properties of group
	06.09.2022		topic-components of a given force in two direction	based examples
	07.09.2022		resolved part of a given force and based examples	order of element of group,related theorems
	08.09.2022	ch-2 introduction of first order linear pde and based examples	triangle law of forces and based examples	based examples
	09.09.2022	solution of Lagrange's linear equations and based examples	important theorem and based examples	complexes and subgroup of a group
	10.09.2022	example based on ch-2	lami's theorem and based examples	related theorems
	12.09.2022		polygon law of forces and based examples	product and interection of subgroups,related theorem
	13.09.2022		resultant of any number of concurrent and coplanar forces	based examples
	14.09.2022		condition of equilibrium of concurrent forces and based examples	cyclic group,some theorems on cyclic group
	15.09.2022	ch-3 introduction of first order non linear pde and based examples	equilibrium of bodies placed on a smooth inclined plane and based examples	based examples and problem related to ch-1
	16.09.2022		problem based on ch-1	test
	17.09.2022	charpit's method and based examples	ch-2 introduction of parallel forces	ch-2 cosets,some theorem on cosets
	19.09.2022		important theorem and based examples	based examples

Week	Date	Class :-B.sc 2nd year	Class :-B.sc 2nd year	Class:-B.sc3rd year
		Semester - 3rd(P.D.E)	Semester :-3rd(statics)	Semester :-5th(groups and rings)
	20.09.2022		examples based on parallel forces	index of subgroups,relation of congruence modulo,lagrange theorem
	21.09.2022		ch-3 introduction of moments and based examples	normsl subgroups,simple group,some theorem
	22.09.2022	some standard form and based examples	varigon's theorem and based examples	quotient group,some theorem and examples
	23.09.2022	<b>Shaheedi Diwas/Haryana War Hero's Martyrdom Day</b>		
	24.09.2022	jacobi's method and based examples	important theorem and based examples	test
	26.09.2022	<b>Maharaja Agrasen Jayanti</b>		
	27.09.2022		examples based on moment	ch-3 introduction,homomorphism and isomorphism of groups
	28.09.2022		examples based on ch-4	some theorems
	29.09.2022	ch-4 introduction of linear pde of second and higher order	ch-5 introduction of analytical condition of equilibrium of co-planer forces	based examples
	30.09.2022	examples of 4.1	based examples	fundamental theorem on homomorphism of group,second,third theorem of isomorphism
	01.10.2022	examples of 4.2	problem based on ch-5	automorphism of group and examples
	03.10.2022		ch-6 introduction of friction	group of automorphism of group,inner automorphism
	04.10.2022		examples based on friction	some theorems
	05.10.2022	<b>Dussehra</b>		
	06.10.2022	problem based on ch-4	examples based on friction	based examples
	07.10.2022	test of ch:-1	examples based on friction	center of a group,theorem
	08.10.2022	ch-5 introduction of pde with variable coefficient reducible to equations with constant coefficient	problem related to ch-6	example related to center and characteristics
	10.10.2022		ch-7 introduction of centre of gravity	normalizer,some theorem
	11.10.2022		important theorem on centre of gravity	commutator and some theorems
	12.10.2022		examples based on centre of gravity	problem related to ch-3
	13.10.2022	based examples	centre of gravity and based examples	test of ch-3
	14.10.2022	problem based on ch-5	examples based on ch-7	ch-4 permutation groups,product of permutation,examples

Week	Date	Class :-B.sc 2nd year Semester - 3rd(P.D.E)	Class :-B.sc 2nd year Semester :-3rd(statics)	Class:-B.sc3rd year Semester :-5th(groups and rings)
	15.10.2022	ch-6 introduction of canonical form of second order linear pde	test of ch-1+assignment	identify permutation,inverse permutation,symmetric group
	17.10.2022		problem related to ch-7	cyclic permutation,transposition,alternating group,cayley theorem
	18.10.2022		ch-8 introduction of virtual work,principle of virtual work	problem related to ch-4
	19.10.2022		based examples	test of ch-4
	20.10.2022	problem related to ch-6	based examples and related problem	ch-5 introduction ring,types of ring
	21.10.2022	reduction of 2nd order linear pde to canonical form	test of ch-4	examples of ring
	<b>22.10.2022 to 26.10.2022</b>		<b>Diwali Vacations</b>	
	27.10.2022	examples based on reduction of hyperbolic equations to its canonical form	ch-9 introduction of forces in three dimensions and based theorems	integral domain,division ring,field
	28.10.2022	examples based on reduction of hyperbolic equations	based examples	some theorems
	29.10.2022	based examples on 6.3	based examples	based examples
	31.10.2022		based examples	subring,some theorems on subring
	01.11.2022	<b>Haryana Day</b>		
	02.11.2022		problem related to ch-9	center of ring,examples
	03.11.2022	reduction of elliptic equation to the canonical form	test	characteristic of ring,some theorems
	04.11.2022	based examples	ch-10 introduction of wrenches and based theorem	problem related to ch-5
	05.11.2022	problem related to ch-6	based theorem	assignment+test
	07.11.2022		based examples	ch-6 introduction,some definition of ideals,sum and product of ideals
	08.11.2022	<b>Guru Nanak Dev Jayanti</b>		
	09.11.2022		based examples	related theorems
	10.11.2022	test of section 1st	problem related to ch-10	simple ring,theorems,prime ideal
	11.11.2022	ch-7 introduction of ch-7	ch-11 introduction of null lines and null planes	principal ideal domain,theorem
	12.11.2022	monge's method	based theorem	maximal ideal,prime ideal,co maximal ideal
	14.11.2022		based examples	based examples
	15.11.2022		based examples	quotient ring
	16.11.2022		test	based theorems



Week	Date	Class :-B.sc 2nd year	Class :-B.sc 2nd year	Class:-B.sc3rd year
		Semester - 3rd(P.D.E)	Semester :-3rd(statics)	Semester :-5th(groups and rings)
	17.11.2022	based examples	ch-12 introduction of stable,unstable and neutral equilibrium	problem related to ch-6+test
	18.11.2022	examples based on 7.1	based theorem	ch-7 ring homomorphism,based theorms
	19.11.2022	remaining examples of 7.1	important topics of ch-12	kernel of ring homomorphism,theorem,based examples
	21.11.2022		based examples	fundamental theorem on homomorphism of ring,second,third theorem of isomorphism
	22.11.2022		based examples	based examples
	23.11.2022		problem related to ch-12	embedded ring,field of quotient of integral domain
	24.11.2022	examples based on 7.2	prpbem related to ch-1	based examples
	25.11.2022	problem based on ch-7	prpbem related to ch-2	problem related to ch-7
	26.11.2022	test of ch-4	prpbem related to ch-3	ch-8 introduction,divisibility in commutative ring,theorems
	28.11.2022	problem based on chapter 7		prime element,irreducible element,g.c.d,l.c.m,theorems
	29.11.2022	assignment of section 1		euclidean rings,examples
	30.11.2022	ch-8 characteristics of 2nd order pde and cauchy's problem	test of unit 1	principle ideal domain,theorem
	01.12.2022	characteristics equations and characteristics curve		based theorems and examples
	02.12.2022	based examples		problem related to ch-8+test
	03.12.2022	test of ch-6		ch-9 polynomial ring,theorems
	05.12.2022	cauchy's problem+based examples		based examples
	06.12.2022	remaining examples	test of unit 2	based examples
	07.12.2022	ch-9 method of sepration of variable-wave,heat and laplace equations		problem related to ch-9
	08.12.2022	test of ch-7		test of ch-9
	09.12.2022	based examples		problem related to unit-1
	10.12.2022	method of separation of variable	test of unit 3	problem related to unit1
	12.12.2022	1D wave equation-solution by method of separation of variable		test
	13.12.2022	based examples		problem related to unit-2

Week	Date	Class :-B.sc 2nd year	Class :-B.sc 2nd year	Class:-B.sc3rd year
		Semester - 3rd(P.D.E)	Semester :-3rd(statics)	Semester :-5th(groups and rings)
	14.12.2022	solution of 1D Wave equation-solution satisfying the given boundary and initial condition		problem related to unit-2
	15.12.2022	based examples		test of unit-2
	16.12.2022	test of ch-8		problem related to unit-3
	17.12.2022	problem related to 9.1		problem related to unit 3
	19.12.2022	solution of two dimentional heat equations		problem related to unit 3
	20.12.2022	<b>examples based on 9.2</b>	test of unit4	test of unit-3
	21.12.2022	based examples		problem related to unit 4
	22.12.2022	solution of two dimentional laplace equations		problem related to unit 4
	23.12.2022	solution of laplace equations satisfying given initial and boundary conditions		problem related to unit 4
	24.12.2022	doubt		test of unit-4

Dayanand Mahila Mahavidyalaya, Kurukshetra				
Lesson Plan (Odd Semester)				
Session 2022-23 (01.09.2022 to 24.12.2022)				
Name of Teacher:-Miss Shweta				
Subject :-Mathematics				
Week	Date	Class:- B.A 2nd year	Class:- B.com Ist year	Class B.A/B.SC 3rd year
		Semester - 3rd(Advanced Calculus)	Semester:- Ist(Business mathematics)	Semester :-5th(Real Analysis)
	01.09.2022		Orientation Course	
	02.09.2022		Orientation Course	
	03.09.2022	Introduction of syllabus	Introduction to matrices	Introduction to course and basic definitions
	05.09.2022	Preliminary	Definition of matrices and its types	Reimann integral, definitions, theorems
	06.09.2022	ch-1 continuous and discontinuous functions	Algebra of matrices	Reimann integral, definitions, theorems
	07.09.2022	Theorem based on continuous functions	Examples of addition, subtractions , scalars	Reimann integral, definitions, theorems
	08.09.2022	Examples on continuous functions	Examples of matrix multiplication	Integrability, continous functions, examples
	09.09.2022	Examples on continuous functions	Examples of matrix multiplication	Integrability, continous functions, examples
	10.09.2022	Uniform continuity and based theorems	Problem related to chapter	Properties of reimann integral
	12.09.2022	Examples on unifrom continuity	properties of determinant	Properties of reimann integral
	13.09.2022	Examples on unifrom continuity	Calculation of values of determinants upto third	Examples of reimann integral
	14.09.2022	Doubts of ch-1	Example of calculation of values of determinant	Examples of reimann integral
	15.09.2022	ch-2 Derivability of a function and based examples	Adjoint of matrix	Fundamental theorem of integral calculus
	16.09.2022	Darboux theorem and rolle's theorem	Examples of adjoint of matrix	Fundamental theorem of integral calculus
	17.09.2022	Examples on Rolle's Theorem	Elementary row or column operations	Thoerems on continuity and differentiability
	19.09.2022	Lagrange's mean value theorem and based examples	examples of row or column operations	Doubts of ch-1
	20.09.2022	Cauchy Mean value theorem and based examples	Test of adjoint of matrix	Mean value theorem of integral calculus
	21.09.2022	Taylor's theorem and based examples	Finding inverse of matrix	Mean value theorem of integral calculus
	22.09.2022	Test of chapter-1	Examples of finding inverse	Introduction to improper integrals
	23.09.2022	Shaheedi Diwas/Haryana War Hero's Martyrdom Day		
	24.09.2022	ch-3 introduction of indeterminant forms	Examples of finding inverse	Types of improper integral and their examples
	26.09.2022	Maharaja Agrasen Jayanti		
	27.09.2022	Examples of 3.1	finding inverse through operations	Doubts of improper integral
	28.09.2022	Based Examples	ch-4	Comparison test for convergence of integrals
	29.09.2022	Examples of 3.2	Finding inverse of matrix	Comparison test for convergence of integrals
	30.09.2022	Examples of 3.3	Doubts	Comparison test for convergence of integrals
	01.10.2022	Based Examples	Test and Assignment	Comparison test for convergence of integrals

Week	Date	Class:- B.A 2nd year	Class:- B.com Ist year	Class B.A/B.SC 3rd year
		Semester - 3rd(Advanced Calculus)	Semester:- Ist(Business mathematics)	Semester :-5th(Real Analysis)
	03.10.2022	Doubts of ch-3	sol. of system of linear equations	Able's test and dirichlet's test and based examples
	04.10.2022	Test of ch-3	Examples of system of linear eq.	Able's test and dirichlet's test and based examples
	05.10.2022	<b>Dussehra</b>		
	06.10.2022	ch-4 introduction of limit and continuity of functions	Examples of sustem of linear eq.	Doubts of abel's and dirichlet's test
	07.10.2022	Based theorems	Examples of solutions of system of linear equation	Frullani's integral and based examples
	08.10.2022	Algebra of continuous functions	Doubt of chapter	Frullani's integral and based examples
	10.10.2022	Based Examples	Introduction of logarithms	Integral as a function of parameter
	11.10.2022	Doubts of ch-4	diff rule properties of logarithms	Integral as a function of parameter
	12.10.2022	ch-5 introduction of partial differentiation	Examples of logarithms	Doubts
	13.10.2022	Based Examples	characteristics, Mantissa based examples	Derivability of the integral and examples
	14.10.2022	Homogeneous functions and based theorems	Mantissa based examples	Derivability of the integral and examples
	15.10.2022	Based Examples	Finding logarithm and antilog	Integrability of an integral of a function of parameter
	17.10.2022	Based Examples	Examples using Log & Antilog	Integrability of an integral of a function of parameter
	18.10.2022	Total differentiation and based theorems	Examples using log and antilog	Definition and examples of metric space
	19.10.2022	Based Examples	Doubt of chapter	Examples of metric splace
	20.10.2022	Based Examples	Test of chapter	Examples of metric splace
	21.10.2022	Implicit functions and based examples	Intro to compound interest	Doubts of metric space
	<b>22.10.2022 to 26.10.2022</b>	<b>Diwali Vacations</b>		
	27.10.2022	Taylor's theorem and based examples	Examples of simple interest	Test
	28.10.2022	Assignment +test of ch-2	Examples of simple interest	Assignment
	29.10.2022	ch-6 introduction of chapter	diff b/w simple & compound	Open and closed sphere and examples
	31.10.2022	Examples of 6.1	Examples of compound interest	Neighbourhood , interior point, open set based examples
	01.11.2022	<b>Haryana Day</b>		
	02.11.2022	Examples of 6.1	Based examples	Neighbourhood , interior point, open set based examples
	03.11.2022	Young 's theorem and Schwartz's theorem	Examples of compound interest	Adherent point, limit point, isolated point, derived set
	04.11.2022	Based Examples	Examples of compound interest	Examples of limit point, isolated points and derived set
	05.11.2022	Doubts of ch-6	Ex.of compound when time given	Closure of set, closed set and examples
	07.11.2022	Test of ch-6	Examples of compound interest	Doubts
	08.11.2022	<b>Guru Nanak Dev Jayanti</b>		

Week	Date	Class:- B.A 2nd year	Class:- B.com Ist year	Class B.A/B.SC 3rd year
		Semester - 3rd(Advanced Calculus)	Semester:- Ist(Business mathematics)	Semester :-5th(Real Analysis)
	09.11.2022	ch-7 introduction of maximum and minimum	Compound continuously	boundary points and subspaces of metric space
	10.11.2022	Based theorems	Examples of compound continuously	Equivalent metrics and examples
	11.11.2022	Based Examples	Examples of compound continuously	Equivalent metrics and examples
	12.11.2022	Lagrange's method and based Examples	Effective and nominal rate of interest	Test
	14.11.2022	Doubt of ch-7	Problem of depreciation, population	convergence of sequence in metric space
	15.11.2022	ch-8 introduction of curves in space	Problem of depreciation, population	Examples of convergence of metric space
	16.11.2022	Examples of 8.1	Introduction to annuity	Examples of convergence of metric space
	17.11.2022	Equation of tangent line and based examples	different types of annuity	Cauchy sequence
	18.11.2022	Osculating plane and based examples	Annuity immediate based ex	completeness of metric spaces
	19.11.2022	Fundamental unit vectors and based examples	Annuity immediate based ex	Some examples of completeness of metric spaces
	21.11.2022	Remaining Examples	present value of annuity example	Doubts
	22.11.2022	Doubt of ch-8	solution of practical problems	Baire's category theorem and examples
	23.11.2022	chapter -9 introduction of circle of curvature and spherical	solution of practical problems	Baire's category theorem and examples
	24.11.2022	Properties of locus of the centre of curvature	Present value and amount of annuity	Contraction principles and examples
	25.11.2022	Properties of locus of the centre of curvature	Doubts related to annuity	Contraction principles and examples
	26.11.2022	Based Examples	Arithmetic Progression	Continuous function and examples
	28.11.2022	Test of chapter-8	Examples of arithmetic prog	Continuous function and examples
	29.11.2022	ch-10 introduction of involutes and evolutes	Test	Doubts
	30.11.2022	curvature and torsion of evolutes	Geometric Progression	Test
	01.12.2022	Derivations of torsion of involute	Examples of Geometric progression	Uniform continuous function and examples
	02.12.2022	Examples of curvature, torsion, involute	Test of geometric progression	Uniform continuous function and examples
	03.12.2022	ch-11 introduction of concept of surface and envelopes	Introduction to differentiability	Compact set , compactness of metric spaces and examples
	05.12.2022	Class of surface , singularity of a surface	Simple derivatives of diff func	Compact set , compactness of metric spaces and examples
	06.12.2022	Parametric curves, tangent plane and normal	Examples of derivatives of different functions	Sequential compactness and bolzano weierstrass property
	07.12.2022	Cartesian form of equations of the tangent planes	Test	Sequential compactness and bolzano weierstrass property
	08.12.2022	Based Examples	Rules of differentiation	Doubts
	09.12.2022	Family of surfaces, characteristics curve of family of surfaces	Examples of differentiation	Test
	10.12.2022	Test	Maxima & Minima of function of one variable	Total boundedness, finite intersection property
	12.12.2022	Envelope and based upon theorems	Examples of maxima & minima	Total boundedness, finite intersection property

Week	Date	Class:- B.A 2nd year	Class:- B.com Ist year	Class B.A/B.SC 3rd year
		Semester - 3rd(Advanced Calculus)	Semester:- Ist(Business mathematics)	Semester :-5th(Real Analysis)
	13.12.2022	Edge of regression and based upon theorem	Examples of maxima and minima	Continuity in relation with compactness, connectedness
	14.12.2022	Examples of regressions	Examples of maxima and minima	Continuity in relation with compactness, connectedness
	15.12.2022	Exmaples of regressions	Test of ch-6	doubts
	16.12.2022	Doubts	Problem related to ch-7	Test
	17.12.2022	Revision of unit 1	Remaining doubts	Revision of unit 1
	19.12.2022	Test of unit 1	Test of ch-7	Test of unit 1
	20.12.2022	Revision of unit 2	Revision	Revision of unit 2
	21.12.2022	Test of unit 2	Revision	Test of unit 2
	22.12.2022	Revision of unit 3 and 4	problems related to complete syllabus	Revision of unit 3 and 4
	23.12.2022	Revision of unit 3 and 4	Doubt from whole syllabus	Test of unit 3 and 4
	24.12.2022	Test of unit -3 and 4	Test of complete syllabus	Revision of whole syllabus

Dayanand Mahila Mahavidyalaya, Kurukshetra				
Lesson Plan (Odd Semester)				
Session 2022-23 (01.09.2022 to 24.12.2022)				
Name of Teacher:				
Subject :-Mathematics				
Week	Date	Class :-B.Sc(1st year)	Class .....	Class .....
		Semester - I(algebra)	Semester .....	Semester .....
	01.09.2022	Orientation Course		
	02.09.2022	Orientation Course		
	03.09.2022	Introduction to new course		
	05.09.2022	Introduction to matrices,types of matrices		
	06.09.2022	Types of matrices- symmetric,skew-symmetric		
	07.09.2022	Types of matrices with properties and examples		
	08.09.2022	Types of matrices with properties and examples		
	09.09.2022	Rank of matrices using determinant method		
	10.09.2022	Elementary row and column operations		
	12.09.2022	Row equivalent,column equivalent and equivalent		
	13.09.2022	Row equivalent,column equivalent and equivalent		
	14.09.2022	Row and column echelon matrices,row and column		
	15.09.2022	Normal form of a matrix and elementary matrix		
	16.09.2022	Examples to find rank of matrix by reducing to		
	17.09.2022	Inverse of a matrix using elementary operations		
	19.09.2022	Linear dependence and independence		
	20.09.2022	Characteristic polynomial, eigen values		
	21.09.2022	Cayley-hamilton theorems and its use in finding inverse		
	22.09.2022	Monic polynomial, minimal polynomial and equation		
	23.09.2022	Shaheedi Diwas/Haryana War Hero's Martyrdom Day		
	24.09.2022	Applications of matrices to a system of linear		
	26.09.2022	Maharaja Agrasen Jayanti		
	27.09.2022	Applications of matrices to a system of linear		
	28.09.2022	Sessional+Assignment		
	29.09.2022	Applications of matrices to a system of linear		
	30.09.2022	Theorems on consistency of a system of linear		
	01.10.2022	Theorems on consistency of a system of linear		
	03.10.2022	Unitary and orthogonal matrices with examples		
	04.10.2022	Bilinear and quadratic forms with examples		

Week	Date	Class :-B.Sc(1st year)	Class .....	Class .....
		Semester - I(algebra)	Semester .....	Semester .....
	05.10.2022	<b>Dussehra</b>		
	06.10.2022	Synthetic division and examples		
	07.10.2022	Relation between the roots and coefficient of general		
	08.10.2022	Relation between the roots and coefficient of general		
	10.10.2022	Solution of polynomial equation having conditions		
	11.10.2022	Common roots and multipal roots examples		
	12.10.2022	Common roots and multipal roots examples		
	13.10.2022	Transformation of equation with different		
	14.10.2022	Transformation of equation with different		
	15.10.2022	Transformation of equation with different		
	17.10.2022	Solutions of cubic and biquadratic equation		
	18.10.2022	Cardan's method of solving a cubic equation, examples		
	19.10.2022	Cardan's method of solving a cubic equation, examples		
	20.10.2022	Cardan's method of solving a cubic equation, examples		
	21.10.2022	Test		
	<b>22.10.2022 to 26.10.2022</b>		<b>Diwali Vacations</b>	
	27.10.2022	Cardan's method of solving a cubic equation, examples		
	28.10.2022	Cardan's method of solving a cubic equation, examples		
	29.10.2022	Descarte's solution of the biquadratic, examples		
	31.10.2022	Descarte's solution of the biquadratic, examples		
	01.11.2022	<b>Haryana Day</b>		
	02.11.2022	Descarte's solution of the biquadratic, examples		
	03.11.2022	Test		
	04.11.2022	Descarte's solution of the biquadratic, examples		
	05.11.2022	Descarte's solution of the biquadratic, examples		
	07.11.2022	Ferrari method of solving a biquadratic, examples		
	08.11.2022	<b>Guru Nanak Dev Jayanti</b>		
	09.11.2022	Ferrari method of solving a biquadratic, examples		
	10.11.2022	Test		
	11.11.2022	Descarte's rule of signs		
	12.11.2022	Descarte's rule of signs		
	14.11.2022	Continuation or permanence of signs		
	15.11.2022	Complex roots		
	16.11.2022			



Week	Date	Class :-B.Sc(1st year)	Class .....	Class .....
		Semester - I(algebra)	Semester .....	Semester .....
	17.11.2022			
	18.11.2022			
	19.11.2022			
	21.11.2022	test of unit 1		
	22.11.2022			
	23.11.2022			
	24.11.2022			
	25.11.2022			
	26.11.2022			
	28.11.2022	test of unit 2		
	29.11.2022			
	30.11.2022			
	01.12.2022			
	02.12.2022			
	03.12.2022			
	05.12.2022	test of unit 3		
	06.12.2022			
	07.12.2022			
	08.12.2022			
	09.12.2022			
	10.12.2022			
	12.12.2022	test of unit 4		
	13.12.2022			
	14.12.2022			
	15.12.2022			
	16.12.2022			
	17.12.2022			
	19.12.2022	test of full syllabus		
	20.12.2022			
	21.12.2022			
	22.12.2022			
	23.12.2022			
	24.12.2022			