Davanand Mahila Mahavidvalava, Kurukshetra
Lesson Plan

Session 2020-21 (17.04.2021 to 12.07.2021)

Name of Teacher- Ms. Anu Rani

Subject - Mathematics

Week	Date	Class …B.com I(sfs)	Class ………………	Class …B.Sc. III, C.S.	Class ………………
		Semester-2(Business Mathematics)	Semester ………	Semester - 6(Real and complex Analysis)	Semester ………
3	17.04.2021	introduction of syllabus		chapter 1- jacobians and based Theorems	
4	19.04.2021	chapter 1:- factorial notation		based examples	
	20.04.2021	examples of factorial		based examples	
	21.04.2021	Ram Navami			
	22.04.2021	fundamental principle of counting		function dependence	
	23.04.2021	based examples		chapter 2- Beta function and based Theorems	
	24.04.2021	difference between permutations and combinations		based examples	
5	26.04.2021	permutations and based results		gamma function	
	27.04.2021	examples of permutations		based examples	
	28.04.2021	restricted permutations		duplication formula	
	29.04.2021	based examples		based examples	
	30.04.2021	permutations with repetition		doubt class	
1	01.05.2021	based examples		chapter 3- double integral	
2	03.05.2021	circular permutations		based examples	
	04.05.2021	combinations		triple integral and based examples	
	05.05.2021	based examples		based examples	
	06.05.2021	practical problems on combination		application of double and triple integral	
	07.05.2021	based examples		dirichlet integral	
	08.05.2021	division into Groups		based examples	
3	10.05.2021	doubts of chapter 1		chapter of order of integration	
	11.05.2021	chapter 2- introduction of binomial		doubt class	
	12.05.2021	based examples		test of chapter 2	
	13.05.2021	general terms in binomial		chapter 4- some basic definitions and results	
	14.05.2021				

	15.05.2021	based examples		fourier series and based Theorems	
4	17.05.2021	based examples		based examples	
	18.05.2021	binomial coefficient		based examples	
	19.05.2021	application of binomial		fourier expansion of function having points of discontinuity	
	20.05.2021	based examples		based examples	
	21.05.2021	doubts of chapter 2		change of interval and examples	
	22.05.2021	chapter 3- linear inequalities in two variables		half range series and examples	
5	24.05.2021	graphical solution of linear inequalities		chapter 5- stereographic projection of complex numbers	
	25.05.2021	test of chapter 1		examples	
	26.05.2021	chapter 4- introduction of linear programming		complex functions	
	27.05.2021	based examples		differentiability of function	
	28.05.2021	solution of LPP		based examples	
	29.05.2021	based examples		analytic function	
	31.05.2021	based examples		C R equations and based examples	
1	01.06.2021	based examples		based examples	
	02.06.2021	practical applications of LPP		orthogonal system	
	03.06.2021	based examples		construction of analytic function	
	04.06.2021	based examples		based examples	
	05.06.2021	based examples		application of analytic function	
2	07.06.2021	based examples		doubt class	
	08.06.2021	doubt class		test of chapter 4	
	09.06.2021	test of chapter 2		chapter 6- elementary functions and their properties	
	10.06.2021	chapter 5- introduction to data		elementry mapping and based examples	
	11.06.2021	explanation of different types of data		conformal mapping and based examples	
	12.06.2021	frequency distribution		bilinear transformation and based examples	
3	14.06.2021	tabulation of data		based examples	
	15.06.2021	based examples		inverse points and based examples	
	16.06.2021	doubt class		based examples	

	17.06.2021	test of chapter 4		doubt class	
	18.06.2021	chapter 6- diagrametic representation of data		test of chapter 5	
	19.06.2021				
4	21.06.2021	types of diagram		chapter 7- critical mappings	
	22.06.2021	based examples		based examples	
	23.06.2021	based examples		based examples	
	24.06.2021	Sant Kabir Jayanti			
	25.06.2021	chapter 7- graphical representation of data		based examples	
	26.06.2021	different types of graphs and based examples		doubt class	
5	28.06.2021	examples		doubt class	
	29.06.2021	**doubt class**		**test of unit 1**	
	30.06.2021				
1	01.07.2021	test of chapter 5		test of unit 2	
	02.07.2021	**test of chapter 6**			
	03.07.2021	chapter 8- data interpretation		test of unit 3	
2	05.07.2021	based examples		test of unit 4	
	06.07.2021	based examples		**revision**	
	07.07.2021	doubt class		**revision**	
	08.07.2021	revision		**revision**	
	09.07.2021	revision		**revision**	
	10.07.2021	revision		full length test	
	12.07.2021	**full length test**		**revision**	

Dayanand Mahila Mahavidyalaya, Kurukshetra
Lesson Plan
Session 2020-21 (17.04.2021 to 12.07.2021)
Name of Teacher- Ms. Anu Rani
Subject …………………….Mathematics

Week	Date	B.Sc. -2(N.M. , C.S.)	Class …B.sc.3, C.S.	Class ………………
		semester- 4(sequence and series)	Semester …6(Dynamics)	Semester ………
3	17.04.2021	Review chapter	Review chapter	
4	19.04.2021	ch-1 introduction of chapter	ch-1 introduction of chapter Motion along a plane curve	
	20.04.2021	based theorem	Definitions and based examples	
	21.04.2021	Ram Navami		
	22.04.2021	based theorem	Definitions and based examples	
	23.04.2021	based examples	Tangential and Normal velocities and Acceleration and based examples	
	24.04.2021	based examples	based examples	
5	26.04.2021	Neighborhood of a point, based theorem	based examples	
	27.04.2021	based theorem	based examples	
	28.04.2021	closed sets and based theorem	ch- 1 completed	
	29.04.2021	based examples	ch-2 introduction of chapter Relative Motion	
	30.04.2021	limit point of a set,and based theorem	Important Definations and based examples	
1	01.05.2021	based examples	Important Definations and based examples	
2	03.05.2021	based theorem	ch- 2 completed	
	04.05.2021	based examples	ch-3 introduction of chapter - Simple Harmonic Motion	
	05.05.2021	compact set and based theorem	based theorem	
	06.05.2021	based examples	based examples	

	Date			
	07.05.2021	ch-2 Introduction of Sequences	ch-3 completed	
	08.05.2021	important Definations	test of ch-1	
3	10.05.2021	based theorem	ch-4 introduction of chapter Elastic Strings	
	11.05.2021	based examples	based theorem	
	12.05.2021	Some basic Theorems on limits	based theorem	
	13.05.2021	based examples	based examples	
	14.05.2021	Id-ul-Fitr/Parshuram Jayanti		
	15.05.2021	test of ch-1.1,1.2	ch-4 completed	
4	17.05.2021	Monotonic Sequences, based theorem	assignment submission	
	18.05.2021	based examples	assignment submission	
	19.05.2021	limits point and based theorem	ch-5 introduction of chapter Newton's laws of Motion	
	20.05.2021	based examples	Important Definations and based examples	
	21.05.2021	ch-3 Introduction of Infinite Series	based examples	
	22.05.2021	based examples	important Definations and based examples	
5	24.05.2021	based examples	based theorem	
	25.05.2021	based theorem	based examples	
	26.05.2021	based theorem	ch-5 completed	
	27.05.2021	Ch-4 Introduction of Infinite Series	ch-6 introduction of chapter Work, Power and Energy	
	28.05.2021	Different Test and based examples	based theorem	
	29.05.2021	Different Test and based examples	based examples	
	31.05.2021	Different Test and based examples	Definition of power and based examples	
1	01.06.2021	assignment submission	based examples	
	02.06.2021	Different Test and based examples	Definition of Energy and related Theorem	
	03.06.2021	Different Test and based examples	based examples	
	04.06.2021	Chapter-5 Introduction of Alternating Series	based examples	
	05.06.2021	Leibnitz's Test and based examples	ch-6 completed	

2	07.06.2021	Legendre's Linear Differential equations and based examples	ch-7 introduction of chapter Motion of a particle on smooth and rough plane curves	
	08.06.2021	based theorem	based theorem	
	09.06.2021	ch-5 completed	based examples	
	10.06.2021	queries of ch-5	Motion on the outside of a vertical circle	
	11.06.2021	test of ch-2.1,2.2	test of ch-2	
	12.06.2021	ch-6 introduction of chapter Arbitrary Series	based examples	
3	14.06.2021	Different Test and based examples	Motion on the inside of a smooth vertical circle	
	15.06.2021	Different Test and based examples	based examples	
	16.06.2021	Different Test and based examples	based examples	
	17.06.2021	Different Test and based examples	**ch-8 introduction of Projectiles**	
	18.06.2021	Different Test and based examples	Definitions and based examples	
	19.06.2021			
4	21.06.2021	theorem and based examples	based examples	
	22.06.2021	theorem and based examples	Directions of Projection for a particle to hit a given point	
	23.06.2021	theorem and based examples	Definitions and based examples	
	24.06.2021	Sant Kabir Jayanti		
	25.06.2021	theorem and based examples	**ch-9 Introduction of Central Orbits**	
	26.06.2021	Ch-7 Infinite Products	Definitions and based examples	
5	28.06.2021	Definition and based examples	based theorem	
	29.06.2021	**theorem and based examples**	**based examples**	
	30.06.2021			
1	01.07.2021	based theorem	Ch-10 Introduction of Kepler's Laws of Planetary Motion	

	02.07.2021			
	03.07.2021	based examples	based theorem	
2	05.07.2021	based theorem	based examples	
	06.07.2021	**based examples**	ch-11 Introduction of Motion of a Particle in three Dimension	
	07.07.2021	based examples	based theorem	
	08.07.2021	test of unit 1,2	based examples	
	09.07.2021	test of unit 3	test of unit-1,2	
	10.07.2021	test of unit 4	test of unit 3,4	
	12.07.2021	**test of full syllabus**	**test of full syllabus**	

		Dayanand Mahila Mahavidyalaya, Kurukshetra			
		Lesson Plan			
		Session 2020-21 (17.04.2021 to 12.07.2021)			
		Name of Teacher : Mrs. Prabhjot Kaur			
		Subject : Mathematics			
Week	**Date**	**Class : B.Com II Sem.** **Semester :2nd (Business Mathematics)**	**Class : B.A II Sem.** **Semester : 2nd (Number theory and trigonometry)**	**Class : B.A IV Sem.** **Semester : IV Sem. (Sequence and Series)**	**Class : B.A VI Sem.** **Semester - 6 (Real and Complex analysis)**
3	17.04.2021	Introduction to content of course	Introduction to content of course	Introduction to content of course	Introduction to content of course
4	19.04.2021	General Solution of Linear Inequalities	De Moivre's Theorem	Topology of real numbers, introduction of sets and l.u.b and g.l.b	Basic Definition and Introduction to Jacobians
	20.04.2021	Examples of linear inequalities	Applications of De Moivre's theorem	Archimedean property of reals and examples	Some theorems on Jacobian
	21.04.2021	**Ram Navami**			
	22.04.2021	Graphical solution of linear inequalities in two variables	Theorems on De Moivre's Theorem	Neighborhoods, interior points, based examples	Some theorems on Jacobian
	23.04.2021	Examples of graphical solution of linear inequalities in two variables	Examples on De Moivre's theorem	Limit point, isolated point, based theorems	Beta function and its properties
	24.04.2021	Solution of system of linear inequalities in two variables	Expansion of trigonometrical functions	Open sets and theorems	Examples of beta function
5	26.04.2021	Examples of Solution of system of linear inequalities in two variables	Some examples related to expansion of trigonometrical functions	Closed sets and based theorems	Gamma function and its properties
	27.04.2021	Examples of Solution of system of linear inequalities in two variables	Direct circular and hyperbolic functions	Interior, closure of a set, their properties and examples	Gamma function and its properties

	28.04.2021	Revision	Some theorems on direct circular and hyperbolic functions	Bolzano-Weiestrass theorem	Examples of gamma function
	29.04.2021	Linear programming	Inverse circular and hyperbolic functions	Compact set ,cover and open cover	Examples of gamma function
	30.04.2021	Formulation of equation	Properties of Inverse circular and hyperbolic functions	Heine boral property,based theorems	Relation between beta and gamma function
1	01.05.2021	Examples of Linear programming problem	Some theorems and examples on inverse circular and hyperbolic functions	Introduction of sequence	Double integral and its examples
2	03.05.2021	Assignment and Test	Logarithm of a complex quantity	Range of a sequence,costant sequence,lub of a sequence,glb of a sequence	Substitution method for double integrals
	04.05.2021	Graphical method of solution	Some theorems of Logarithm of a complex quantity	Divergent sequence, oscillating sequence,based theorems	Assignment and test
	05.05.2021	Examples of graphical method of solution	Some examples of Logarithm of a complex quantity	Theorem on limits of sequence	Triple integral and its examples
	06.05.2021	Different types of linear programming problems	Assignment and test	Some basic theorems on limits	Substitution method for triple integrals
	07.05.2021	Problems relating to two variables including the case of mixed constraints	Gregory's Series	Some basic theorems on limits and examples	Applications of double integral and triple integral
	08.05.2021	Problems relating to two variables including the case of mixed constraints	Some theorems on Gregory's Series	Cauchy's sequence	Applications of double integral and triple integral

3	10.05.2021	Examples of Problems relating to two variables including the case of mixed constraints	Summation of Trigonometry series and its examples	Cauchy's general principal of convergence and related examples, theorems	Dirichlets integrals and its examples
	11.05.2021	Problems relating to two variables including the case having no solution	Properties of Summation of Trigonometry series	Subsequences and subsequential limits	Dirichlets integrals and its examples
	12.05.2021	Problems relating to two variables including the case having no solution	Some theorems on Summation of Trigonometry series	Subsequences and subsequential limits	Dirichlets integrals and its examples
	13.05.2021	Examples of Problems relating to two variables including the case having no solution	Some examples of Summation of Trigonometry series	Introduction to infinite series	change of order of integration in double integrals and its examples
	14.05.2021	**Id-ul-Fitr/Parshuram Jayanti**			
	15.05.2021	Problems relating to two variables including the case having multiple solution	Divisibility, Basic Definition and Introduction	Convergence and divergence of infinite series, examples	change of order of integration in double integrals and its examples
4	17.05.2021	Examples of Problems relating to two variables including the case having multiple solution	Divisibility -related examples, theorems	Convergence and divergence of infinite series, examples	Fourier's Series and Fourier expansion of piecewise monotonic functions
	18.05.2021	Examples of Problems relating to two variables including the case having multiple solution	Divisibility -related examples, theorems	Comparison tests of positive terms of infinite series	Fourier's Series and Fourier expansion of piecewise monotonic functions
	19.05.2021	Examples of Problems relating to two variables including the case having multiple solution	Greatest common divisor(G.C. D) and least common multiple(L.C.M)	Comparison tests of positive terms of infinite series	Examples of Fourier series and Properties of Fourier coefficients

	Date				
	20.05.2021	Unbounded solution	Some theorems and examples on G.C.D and L.C.M	Cauchy's general principal of convergence of series and related examples	Dirichlets condition and its examples
	21.05.2021	Examples of unbounded solution	Primes and related theorems, examples	Assignment and test	Dirichlets condition and its examples
	22.05.2021	Redundant constraints	Fundamental theorem of Arithmetic	Convergence and divergence of geometric series	Dirichlets condition and its examples
5	24.05.2021	Examples of redundant constraint	Examples on Fundamental theorem of arithmetic	p-series and examples	Parseval's identity for Fourier series and its examples
	25.05.2021	Revision	Linear Congruences	D'Alembert Ratio test and examples	Parseval's identity for Fourier series and its examples
	26.05.2021	Data representation and interpretation	Test	Cauchy's Root test and examples	Fourier series for even functions and its examples
	27.05.2021	Introduction	Assignment and test	Cauchy's Root test and examples	Assignment and test
	28.05.2021	Classification of data	Examples of Linear Congruences	Raabe's Test and examples	Fourier series for odd functions and its examples
	29.05.2021	Assignment and test	Fermat's theorem	Logarithmic test and example	Fourier series for odd functions and its examples
	31.05.2021	Tabulation of data	Some theorems and examples of Fermat's Theorem	Demorgan's and Bertrand's test,based examples	Half range series and its examples
1	01.06.2021	Diagrammatic representation of data	Wilson's Theorem	Gauss's test,based examples	Half range series and its examples
	02.06.2021	Graphic representation of data	Converse of Wilson's theorem	cauchy's integral test,based examples	Change of intervals and its examples
	03.06.2021	Significance of diagrams , Graphs	Some theorems and examples of Wilson's Theorem	Cauchy's condensation test	Extended complex plane and Stereographic projection of complex numbers

	04.06.2021	Types of Diagrams	Linear Diophantine equations in two variables	Alternating series	Extended complex plane and Stereographic projection of complex numbers
	05.06.2021	Bar diagram and Examples	Solution of Linear Diophantine equation and some examples	Lebinitz's test for the convergence of alternating series,based examples	Examples of stereographic projection
2	07.06.2021	Pie charts and Examples	Some theorems related to Linear Diophantine equation	Theorem based on absolute,conditional convergence and examples	Examples of stereographic projection
	08.06.2021	Pictographs	Residues-Definition and Examples	Arbitrary series	Continuity of complex functions and its examples
	09.06.2021	Examples of pictographs	Complete residue system	Abel's lemma,Abel's test and examples	Continuity of complex functions and its examples
	10.06.2021	Graphs of time series or line graphs	Some theorems and examples on Complete residue system	Dirichlet's test,based examples	Continuity of complex functions and its examples
	11.06.2021	Examples of line graphs	Some theorems and examples on Complete residue system	Insertion and removal of parenthensis	Differentiability of complex functions and its examples
	12.06.2021	Graphs of frequency distribution	Reduced residue system	Assignment and test	Differentiability of complex functions and its examples
3	14.06.2021	Histogram	Some theorems and examples on Reduced residue system	Rearrangement of terms in a series and examples	Analytic functions , its theorems and examples
	15.06.2021	Examples of histogram	Euler's Function and based examples	Dirichlet's theorem and examples	Analytic functions , its theorems and examples
	16.06.2021	Frequency polygon	Euler's generalization of Fermat's theorem	Riemann's rearrangement theorem and examples	Cauchy-Reimann equations and its examples

	17.06.2021	Cumulative frequency curves	Theorems and examples related to Euler's generalization of Fermat's theorem	Riemann's rearrangement theorem and examples	Harmonic functions and it examples
	18.06.2021	Examples of cumulative frequency curves	Theorems and examples related to Euler's generalization of Fermat's theorem	Pringsheim's theorem (statement only)	Mapping by elementary functions and Some elementary mappings
	19.06.2021	Limitations of diagrams and graphs	Solution of Simultaneous Linear Congruences – Chinese Remainder theorem	Multiplication of series	Translation, Rotation, Magnification, Inversion and their examples
4	21.06.2021	Limitations of diagrams and graphs	Solution of Simultaneous Linear Congruences – Chinese Remainder theorem	Multiplication of series	Translation, Rotation, Magnification, Inversion and their examples
	22.06.2021	Introduction to Permutation	Some examples of Chinese Remainder theorem	Cauchy Product of series and examples	Translation, Rotation, Magnification, Inversion and their examples
	23.06.2021	Properties of Permutation	Some theorems related to quadratic residues	Cauchy Product of series and examples	Assignment and test
	24.06.2021	Sant Kabir Jayanti			
	25.06.2021	Examples of Permutation	Legendre Symbol and its properties	Convergence of infinite products and examples	Mobius transformation, Nature and examples of mobius transformation
	26.06.2021	Introduction to combination	Lemma of Gauss and its examples	Convergence of infinite products and examples	Fixed points and their properties, Cross ratio
5	28.06.2021	Properties of Combination	Gauss reciprocity law	Convergence of infinite products and examples	Inverse points and some examples of inverse points
	29.06.2021	Examples of Combination	Some theorems and examples related to Gauss reciprocity law	Absolute convergence of infinite products and examples	Theorems on critical mappings

	30.06.2021	Introduction and Basic Properties of Binomial theorem	Greatest integer function and based theorems	Absolute convergence of infinite products and examples	Revision of complete Syllabus
1	01.07.2021	Properties of Binomial Theorem	$\tau(n)$ The number of divisors and the sum of divisors of a natural number n (The functions d(n) and)	Revision of Complete Syllabus	Test
	02.07.2021	Examples of Binomial Theorem	Mobius function and Mobius inversion formula	Revision of Complete Syllabus	Revision
	03.07.2021	Examples of finding middle, general term of Binomial Expansion	Some examples on Mobius function and Mobius inversion formula	Revision of Complete Syllabus	Revision
2	05.07.2021	Revision of Complete Syllabus	Revision of complete syllabus	Test	Revision
	06.07.2021	Revision of Complete Syllabus	Revision of complete syllabus	Revision	Revision
	07.07.2021	Test	Revision	Revision	Revision
	08.07.2021	Revision	Test	Revision	Revision
	09.07.2021	Revision	Revision	Revision	Revision
	10.07.2021	Revision	Revision	Revision	Revision
	12.07.2021	Revision	Revision	Revision	Revision

Dayanand Mahila Mahavidyalaya, Kurukshetra
Lesson Plan
Session 2020-21 (17.04.2021 to 12.07.2021)
Name of Teacher…………………

Subject …………………

Week	Date	Class …B.Sc.1	Class …B.Sc.2	Class …B.sc.I	Class …B.Sc.3
		Semester …2 (Ordinary Differential Equations)	Semester …4(Special functions and Integral Transforms)	Semester : 2(Vector Calculus)	semester- 6 (Linear Algebra)
3	17.04.2021	Review chapter	Review chapter	Review chapter	ch-1 introduction of chapter
4	19.04.2021	ch-1 introduction of chapter Exact differential equations	ch-1 introduction of chapter Power Series	ch-1 introduction of chapter	vector space and based examples
	20.04.2021	based theorem	based examples	scalar triple product	properties of vector space
	21.04.2021	Ram Navami			
	22.04.2021	based examples	Analytic function and based examples	based theorems	based theorems
	23.04.2021	Integrating factor and based examples	Existence of Power Series solution and based examples	based examples	based examples
	24.04.2021	based examples	based examples	vector triple product	sub space and based theorems
5	26.04.2021	based examples	Frobenius method and based examples	based examples	based examples
	27.04.2021	based examples	Different types and based examples	scalar and vector product of 4 vectors	ch-1 completed
	28.04.2021	ch- 1 completed	based examples	based examples	ch-2 introduction of chapter
	29.04.2021	queries of ch-1	ch- 1 completed	reciprocal system of vector	L.I. and L.D. vectors and based theorems
	30.04.2021	ch-2 introduction of chapter Equations of First order and higher Degree	ch-2 introduction of chapter Bessel's equations and Bessel's function	ch- 1 completed	based examples
1	01.05.2021	based examples	based theorem	queries of ch-1	linear span and based theorems

Week	Date	Class …B.Sc.1 Semester …2 (Ordinary Differential Equations)	Class …B.Sc.2 Semester …4(Special functions and Integral Transforms)	Class …B.sc.I Semester : 2(Vector Calculus)	Class …B.Sc.3 semester- 6 (Linear Algebra)
2	03.05.2021	Equations solvable for x, based examples	based theorem	ch-2 introduction of chapte	based examples
	04.05.2021	Equations solvable for y, based examples	based examples	vector function and scalar	basis and based theorems
	05.05.2021	Lagrange's Equation and based examples	Generating function for jn(x) , based theorem	based theorems	based examples
	06.05.2021	Equations Reducible to Clairaut's Form and based examples	based theorem	based examples	identical spaces and based examples
	07.05.2021	Singular solution and based examples	Equations reducible to Bessel's equation and based examples	velocity and acceleration	direct sum and based examples
	08.05.2021	ch-2 completed	Orthogonality relation of Bessel's function and based examples	based examples	cha-2 completed
3	10.05.2021	queries of ch-2	ch-3 introduction of chapter - Legendre's Equations	ch-2 completed	test of ch-1
	11.05.2021	ch-3 introduction of chapter - Orthogonal Trajectories	based theorem	queries of ch-2	ch-3 introduction of chapter
	12.05.2021	based examples	based theorem	ch-3 introduction of chapte	quotient space and based theorems
	13.05.2021	based examples	based examples	partial derivative of vectors	based examples
	14.05.2021	Id-ul-Fitr/Parshuram Jayanti			
	15.05.2021	test of ch-1	test of ch-1	test of ch-1	ch-3 completed
4	17.05.2021	based examples	Recurrence Relations and based examples	based examples	assignment submission
	18.05.2021	ch-3 completed	Orthogonality of Legendre polynomial and based examples	vector differential operators and based theorems	assignment submission
	19.05.2021	test of ch-2	based examples	based examples	ch-4 introduction of chapter

Week	Date	Class …B.Sc.1 Semester …2 (Ordinary Differential Equations)	Class …B.Sc.2 Semester …4(Special functions and Integral Transforms)	Class …B.sc.I Semester : 2(Vector Calculus)	Class …B.Sc.3 semester- 6 (Linear Algebra)
	20.05.2021	ch-4 introduction of chapter Linear Differential equations with constant coefficients	test of ch-2	directional derivatives and based theorems	linear transformations and based examples
	21.05.2021	Rules for finding C.F and based examples	ch-4 introduction of chapter Hermite's Equations	based examples	vector space isomorphism and based theorems
	22.05.2021	Particular Integrals and based examples	based theorem	divergence of vector function and based examples	based examples
5	24.05.2021	based examples	based theorem	curl of a vector function and based examples	remaining examples
	25.05.2021	based examples	based examples	second order differential functions and based examples	ch-4 completed
	26.05.2021	different types and based example	based examples	ch-3 completed	test of ch-2
	27.05.2021	different types and based example	ch-4 completed	test of ch-2	ch-5 introduction of chapter
	28.05.2021	different types and based example	assignment submission	ch-4 introduction of chapter	null space, range space and based theorems
	29.05.2021	ch-4 completed	assignment submission	curvilinear co ordinates and their orthogonality	based examples
	31.05.2021	assignment submission	ch-5 introduction of chapter Laplace Transforms	based theorems	rank and nullity and based examples
1	01.06.2021	assignment submission	based theorem and based examples	cylindrical co ordinates and based examples	ch-5 completed
	02.06.2021	queries of ch-4	First shifting property and based examples	spherical co ordinates and based examples	ch-6 introduction of chapter
	03.06.2021	ch-5 introduction of chapter Homogeneous Linear Differential equations	theorem and based examples	ch-4 completed	sum of linear transformations and based examples

Week	Date	Class …B.Sc.1 Semester …2 (Ordinary Differential Equations)	Class …B.Sc.2 Semester …4(Special functions and Integral Transforms)	Class …B.sc.I Semester : 2(Vector Calculus)	Class …B.Sc.3 semester- 6 (Linear Algebra)
	04.06.2021	Methods to solve homogeneous Linear Differential equations and based examples	theorem and based examples	assignment submission	singular and non singular L.T. and based examples
	05.06.2021	based examples	theorem and based examples	assignment submission	invertible L.T. and based examples
2	07.06.2021	Legendre's Linear Differential equations and based examples	theorem and based examples	queries of ch-4	ch-6 completed
	08.06.2021	based examples	ch-6 introduction of chapter Inverse Laplace Transforms	ch-5 introduction of chapter	ch-7 introduction of chapter
	09.06.2021	ch-5 completed	based examples	indefinite and definite integral	matrix of L.T. and based examples
	10.06.2021	queries of ch-5	Other methods for finding inverse Transforms and based examples	based examples	transition matrix and based examples
	11.06.2021	test of ch-3	Convolution theorem and based examples	line integral and based example	ch-7 completed
	12.06.2021	ch-6 introduction of chapter Linear Differential equations of second order	ch-7 introduction of chapter Use of Laplace Transforms in Integral equations	circulation and based exam	test of ch-3
3	14.06.2021	Solution of a linear differential equations of second order and based examples	based examples	surface integral and based	ch-8 introduction of chapter
	15.06.2021	Methods for finding particular Integrals and based examples	**ch-8 introduction of Solutions of Differential equations by Transformation**	volume integral and based examples	vector space of all L.T.
	16.06.2021	based examples	based examples	ch-5 completed	dual space and based examples.and chapter completed

Week	Date	Class …B.Sc.1 Semester …2 (Ordinary Differential Equations)	Class …B.Sc.2 Semester …4(Special functions and Integral Transforms)	Class …B.sc.I Semester : 2(Vector Calculus)	Class …B.Sc.3 semester- 6 (Linear Algebra)
	17.06.2021	Solution of a linear differential equations of second order by removing the first derivative and changing the dependent variable and based examples	Solution of Ordinary differential equations with variable coefficient by transform method	queries of ch-5	test of ch-4,5
	18.06.2021	based examples	based examples	test of 3.1, 3.2, 3.3	ch-9 introduction of chapter
	19.06.2021				
4	21.06.2021	Solution of a linear differential equations of second order by changing the independent variable and based examples	test of ch- 5,6	test of 3.4, 3.5, 3.6	eigen values and vectors of L.T.
	22.06.2021	Method of variation of parameters and based examples	ch-9 Introduction of Fourier transforms	ch-6 introduction of chapte	based theorems and examples
	23.06.2021	The method of undetermined coefficients and based examples	**Properties and based examples**	**Gauss's Divergence theor**	**diagonalisation and based examples**
	24.06.2021		Sant Kabir Jayanti		
	25.06.2021	Introduction of ch-7 Ordinary Simultaneous differential equations	based examples	based examples	mininal polynomial and based examples
	26.06.2021	methods of solving simultaneous equations and based examples	Examples based on the Use of Inverse Transforms	Green's theorem and based examples	ch-10 inner product space and based examples
5	28.06.2021	methods to find second solution with the help of the first solution and based examples	based theorem	stoke's theorem and based	normed linear space and based examples
	29.06.2021	**introduction of ch-8 Total differential equations**	**based examples**	**ch-6 completed**	**orthonormal set and based examples**
	30.06.2021				
1	01.07.2021	based theorem	based examples	revision of unit 1	remaining examples and chapter completed
	02.07.2021				

Week	Date	Class …B.Sc.1 Semester …2 (Ordinary Differential Equations)	Class …B.Sc.2 Semester …4(Special functions and Integral Transforms)	Class …B.sc.I Semester : 2(Vector Calculus)	Class …B.Sc.3 semester- 6 (Linear Algebra)
	03.07.2021	based examples	ch-10 Introduction of Solution of Differential equations by Fourier transforms	revision of unit 2	ch-11 operators and based examples
2	05.07.2021	solution of homogeneous total differential equation and based examples	based examples	revision of unit 3	based theorems
	06.07.2021	**solution of total differential equation and based examples**	**based examples**	**revision of unit 4**	**chapter completed**
	07.07.2021	based examples	test of unit 1	test of unit 1	revision of unit 1
	08.07.2021	test of unit 1,2	test of unit 2	test of unit 2	revision of unit 2
	09.07.2021	test of unit 3	test of unit 3	test of unit 3	revision of unit 3
	10.07.2021	test of unit 4	test of unit 4	test of unit 4	revision of unit 4
	12.07.2021	**test of full syllabus**	**test of full syllabus**	**test of full syllabus**	**test of full syllabus**

Dayanand Mahila Mahavidyalaya, Kurukshetra
Lesson Plan
Session 2020-21 (17.04.2021 to 12.07.2021)
Name of Teacher…………………
Subject ……………………

Week	Date	Class …B.Sc.1	Class …B.Sc.2	Class …B.sc.I	Class …B.Sc.3
		Semester …2 (Ordinary Differential Equations)	Semester …4(Special functions and Integral Transforms)	Semester : 2(Vector Calculus)	semester- 6 (Linear Algebra)
3	17.04.2021	Review chapter	Review chapter	Review chapter	ch-1 introduction of chapter
4	19.04.2021	ch-1 introduction of chapter Exact differential equations	ch-1 introduction of chapter Power Series	ch-1 introduction of chapte	vector space and based examples
	20.04.2021	based theorem	based examples	scalar triple product	properties of vector space
	21.04.2021		Ram Navami		
	22.04.2021	based examples	Analytic function and based examples	based theorems	based theorems
	23.04.2021	Integrating factor and based examples	Existence of Power Series solution and based examples	based examples	based examples
	24.04.2021	based examples	based examples	vector triple product	sub space and based theorems
5	26.04.2021	based examples	Frobenius method and based examples	based examples	based examples
	27.04.2021	based examples	Different types and based examples	scalar and vector product of 4 vectors	ch-1 completed
	28.04.2021	ch- 1 completed	based examples	based examples	ch-2 introduction of chapter
	29.04.2021	queries of ch-1	ch- 1 completed	reciprocal system of vector	L.I. and L.D. vectors and based theorems
	30.04.2021	ch-2 introduction of chapter Equations of First order and higher Degree	ch-2 introduction of chapter Bessel's equations and Bessel's function	ch- 1 completed	based examples
1	01.05.2021	based examples	based theorem	queries of ch-1	linear span and based theorems

Week	Date	Class …B.Sc.1 Semester …2 (Ordinary Differential Equations)	Class …B.Sc.2 Semester …4(Special functions and Integral Transforms)	Class …B.sc.I Semester : 2(Vector Calculus)	Class …B.Sc.3 semester- 6 (Linear Algebra)
2	03.05.2021	Equations solvable for x, based examples	based theorem	ch-2 introduction of chapte	based examples
	04.05.2021	Equations solvable for y, based examples	based examples	vector function and scalar	basis and based theorems
	05.05.2021	Lagrange's Equation and based examples	Generating function for jn(x) , based theorem	based theorems	based examples
	06.05.2021	Equations Reducible to Clairaut's Form and based examples	based theorem	based examples	identical spaces and based examples
	07.05.2021	Singular solution and based examples	Equations reducible to Bessel's equation and based examples	velocity and acceleration	direct sum and based examples
	08.05.2021	ch-2 completed	Orthogonality relation of Bessel's function and based examples	based examples	cha-2 completed
3	10.05.2021	queries of ch-2	ch-3 introduction of chapter - Legendre's Equations	ch-2 completed	test of ch-1
	11.05.2021	ch-3 introduction of chapter - Orthogonal Trajectories	based theorem	queries of ch-2	ch-3 introduction of chapter
	12.05.2021	based examples	based theorem	ch-3 introduction of chapte	quotient space and based theorems
	13.05.2021	based examples	based examples	partial derivative of vectors	based examples
	14.05.2021	Id-ul-Fitr/Parshuram Jayanti			
	15.05.2021	test of ch-1	test of ch-1	test of ch-1	ch-3 completed
4	17.05.2021	based examples	Recurrence Relations and based examples	based examples	assignment submission
	18.05.2021	ch-3 completed	Orthogonality of Legendre polynomial and based examples	vector differential operators and based theorems	assignment submission
	19.05.2021	test of ch-2	based examples	based examples	ch-4 introduction of chapter

Week	Date	Class …B.Sc.1 Semester …2 (Ordinary Differential Equations)	Class …B.Sc.2 Semester …4(Special functions and Integral Transforms)	Class …B.sc.I Semester : 2(Vector Calculus)	Class …B.Sc.3 semester- 6 (Linear Algebra)
	20.05.2021	ch-4 introduction of chapter Linear Differential equations with constant coefficients	test of ch-2	directional derivatives and based theorems	linear transformations and based examples
	21.05.2021	Rules for finding C.F and based examples	ch-4 introduction of chapter Hermite's Equations	based examples	vector space isomorphism and based theorems
	22.05.2021	Particular Integrals and based examples	based theorem	divergence of vector function and based examples	based examples
5	24.05.2021	based examples	based theorem	curl of a vector function and based examples	remaining examples
	25.05.2021	based examples	based examples	second order differential functions and based examples	ch-4 completed
	26.05.2021	different types and based example	based examples	ch-3 completed	test of ch-2
	27.05.2021	different types and based example	ch-4 completed	test of ch-2	ch-5 introduction of chapter
	28.05.2021	different types and based example	assignment submission	ch-4 introduction of chapte	null space, range space and based theorems
	29.05.2021	ch-4 completed	assignment submission	curvilinear co ordinates and their orthogonality	based examples
	31.05.2021	assignment submission	ch-5 introduction of chapter Laplace Transforms	based theorems	rank and nullity and based examples
1	01.06.2021	assignment submission	based theorem and based examples	cylindrical co ordinates and based examples	ch-5 completed
	02.06.2021	queries of ch-4	First shifting property and based examples	spherical co ordinates and based examples	ch-6 introduction of chapter
	03.06.2021	ch-5 introduction of chapter Homogeneous Linear Differential equations	theorem and based examples	ch-4 completed	sum of linear transformations and based examples

Week	Date	Class …B.Sc.1 Semester …2 (Ordinary Differential Equations)	Class …B.Sc.2 Semester …4(Special functions and Integral Transforms)	Class …B.sc.I Semester : 2(Vector Calculus)	Class …B.Sc.3 semester- 6 (Linear Algebra)
	04.06.2021	Methods to solve homogeneous Linear Differential equations and based examples	theorem and based examples	assignment submission	singular and non singular L.T. and based examples
	05.06.2021	based examples	theorem and based examples	assignment submission	invertible L.T. and based examples
2	07.06.2021	Legendre's Linear Differential equations and based examples	theorem and based examples	queries of ch-4	ch-6 completed
	08.06.2021	based examples	ch-6 introduction of chapter Inverse Laplace Transforms	ch-5 introduction of chapte	ch-7 introduction of chapter
	09.06.2021	ch-5 completed	based examples	indefinite and definite integ	matrix of L.T. and based examples
	10.06.2021	queries of ch-5	Other methods for finding inverse Transforms and based examples	based examples	transition matrix and based examples
	11.06.2021	test of ch-3	Convolution theorem and based examples	line integral and based exar	ch-7 completed
	12.06.2021	ch-6 introduction of chapter Linear Differential equations of second order	ch-7 introduction of chapter Use of Laplace Transforms in Integral equations	circulation and based exam	test of ch-3
3	14.06.2021	Solution of a linear differential equations of second order and based examples	based examples	surface integral and based	ch-8 introduction of chapter
	15.06.2021	Methods for finding particular Integrals and based examples	**ch-8 introduction of Solutions of Differential equations by Transformation**	volume integral and based examples	vector space of all L.T.
	16.06.2021	based examples	based examples	ch-5 completed	dual space and based examples.and chapter completed

Week	Date	Class …B.Sc.1	Class …B.Sc.2	Class …B.sc.I	Class …B.Sc.3
		Semester …2 (Ordinary Differential Equations)	Semester …4(Special functions and Integral Transforms)	Semester : 2(Vector Calculus)	semester- 6 (Linear Algebra)
	17.06.2021	Solution of a linear differential equations of second order by removing the first derivative and changing the dependent variable and based examples	Solution of Ordinary differential equations with variable coefficient by transform method	queries of ch-5	test of ch-4,5
	18.06.2021	based examples	based examples	test of 3.1, 3.2, 3.3	ch-9 introduction of chapter
	19.06.2021				
4	21.06.2021	Solution of a linear differential equations of second order by changing the independent variable and based examples	test of ch- 5,6	test of 3.4, 3.5, 3.6	eigen values and vectors of L.T.
	22.06.2021	Method of variation of parameters and based examples	ch-9 Introduction of Fourier transforms	ch-6 introduction of chapte	based theorems and examples
	23.06.2021	The method of undetermined coefficients and based examples	**Properties and based examples**	**Gauss's Divergence theor**	**diagonalisation and based examples**
	24.06.2021	Sant Kabir Jayanti			
	25.06.2021	Introduction of ch-7 Ordinary Simultaneous differential equations	based examples	based examples	mininal polynomial and based examples
	26.06.2021	methods of solving simultaneous equations and based examples	Examples based on the Use of Inverse Transforms	Green's theorem and based examples	ch-10 inner product space and based examples
5	28.06.2021	methods to find second solution with the help of the first solution and based examples	based theorem	stoke's theorem and based	normed linear space and based examples
	29.06.2021	**introduction of ch-8 Total differential equations**	**based examples**	**ch-6 completed**	**orthonormal set and based examples**
	30.06.2021				
1	01.07.2021	based theorem	based examples	revision of unit 1	remaining examples and chapter completed
	02.07.2021				

Week	Date	Class …B.Sc.1 Semester …2 (Ordinary Differential Equations)	Class …B.Sc.2 Semester …4(Special functions and Integral Transforms)	Class …B.sc.I Semester : 2(Vector Calculus)	Class …B.Sc.3 semester- 6 (Linear Algebra)
	03.07.2021	based examples	ch-10 Introduction of Solution of Differential equations by Fourier transforms	revision of unit 2	ch-11 operators and based examples
2	05.07.2021	solution of homogeneous total differential equation and based examples	based examples	revision of unit 3	based theorems
	06.07.2021	**solution of total differential equation and based examples**	**based examples**	**revision of unit 4**	**chapter completed**
	07.07.2021	based examples	test of unit 1	test of unit 1	revision of unit 1
	08.07.2021	test of unit 1,2	test of unit 2	test of unit 2	revision of unit 2
	09.07.2021	test of unit 3	test of unit 3	test of unit 3	revision of unit 3
	10.07.2021	test of unit 4	test of unit 4	test of unit 4	revision of unit 4
	12.07.2021	**test of full syllabus**	**test of full syllabus**	**test of full syllabus**	**test of full syllabus**

Dayanand Mahila Mahavidyalaya, Kurukshetra
Lesson Plan
Session 2020-21 (17.04.2021 to 12.07.2021)
Name of Teacher - Ms Nikki
Subject -Programming in c and Numerical Methods, Real and Complex Analysis,Dynamics

Week	Date	Class-B.Sc(nm)-II	Class -B.Sc(nm)-III	Class -B.Sc(nm)-III
		Semester-4	Semester-6	Semester -6
3	17.04.2021	chapter 1: introduction of computer	chapter 1- jacobians and based Theorems	Review chapter
4	19.04.2021	algorithm, flowchart	based examples	ch-1 introduction of chapter Motion along a plane curve
	20.04.2021	chapter 2: importance in C	based examples	Definitions and based examples
	21.04.2021	Ram Navami		
	22.04.2021	constants, variables	function dependence	Definitions and based examples
	23.04.2021	chapter 3: data types	chapter 2- Beta function and based Theorems	Tangential and Normal velocities and Acceleration and based examples
	24.04.2021	void type, qualifiers	based examples	based examples
5	26.04.2021	the scanf, printf function	gamma function	based examples
	27.04.2021	execution of a C program	based examples	based examples
	28.04.2021	doubt class	duplication formula	ch- 1 completed
	29.04.2021	test of chapter 1	based examples	ch-2 introduction of chapter Relative Motion
	30.04.2021	chapter 4: arithmetic operators	doubt class	Important Definations and based examples
1	01.05.2021	different types of operators	chapter 3- double integral	Important Definations and based examples
2	03.05.2021	library functions in C	based examples	ch- 2 completed
	04.05.2021	doubt class	triple integral and based examples	ch-3 introduction of chapter - Simple Harmonic Motion
	05.05.2021	test of chapter 3	based examples	based theorem
	06.05.2021	chapter 5: control structures	application of double and triple integral	based examples

	07.05.2021	the switch statement, the goto statement	dirichlet integral	ch-3 completed
	08.05.2021	doubt class	based examples	test of ch-1
3	10.05.2021	test of chapter 5	chapter of order of integration	ch-4 introduction of chapter Elastic Strings
	11.05.2021	chapter 6: loops	doubt class	based theorem
	12.05.2021	types of loops	test of chapter 2	based theorem
	13.05.2021	the break statement, the continue statement	chapter 4- some basic definitions and results	based examples
	14.05.2021	Id-ul-Fitr/Parshuram Jayanti		
	15.05.2021	doubt class	fourier series and based Theorems	ch-4 completed
4	17.05.2021	test of chapter 2	based examples	assignment submission
	18.05.2021	chapter 7: advantages of function	based examples	assignment submission
	19.05.2021	function definition, the return statement	fourier expansion of function having points of discontinuity	ch-5 introduction of chapter Newton's laws of Motion
	20.05.2021	local and global variables	based examples	Important Definations and based examples
	21.05.2021	chapter 8: file inclusion, macros	change of interval and examples	based examples
	22.05.2021	directives	half range series and examples	important Definations and based examples
5	24.05.2021	doubt class	chapter 5- stereographic projection of complex numbers	based theorem
	25.05.2021	chapter 6	examples	based examples
	26.05.2021	chapter 9: arrays	complex functions	ch-5 completed
	27.05.2021	types of arrays	differentiability of function	ch-6 introduction of chapter Work, Power and Energy
	28.05.2021	chapter 10: strings	based examples	based theorem
	29.05.2021	types of strings	analytic function	based examples
	31.05.2021	chapter 11: defining a structure, structure initializarion	C R equations and based examples	Definition of power and based examples
1	01.06.2021	structures initialization	based examples	based examples

	02.06.2021	array of structures	orthogonal system	Definition of Energy and related Theorem
	03.06.2021	unions	construction of analytic function	based examples
	04.06.2021	test of chapter 7	based examples	based examples
	05.06.2021	chapter 12: the concept	application of analytic function	ch-6 completed
2	07.06.2021	pointers	doubt class	ch-7 introduction of chapter Motion of a particle on smooth and rough plane curves
	08.06.2021	pointers as function arguments	test of chapter 4	based theorem
	09.06.2021	pointers and structures	chapter 6- elementary functions and their properties	based examples
	10.06.2021	chapter 13: continuation, variation	elementry mapping and based examples	Motion on the outside of a vertical circle
	11.06.2021	descartes rule	conformal mapping and based examples	test of ch-2
	12.06.2021	examples	bilinear transformation and based examples	based examples
3	14.06.2021	examples	based examples	Motion on the inside of a smooth vertical circle
	15.06.2021	examples	inverse points and based examples	based examples
	16.06.2021	method of regula falsi	based examples	based examples
	17.06.2021	examples	doubt class	**ch-8 introduction of Projectiles**
	17.06.2021	newton raphson method	test of chapter 5	Definitions and based examples
	18.06.2021	examples	chapter 7- critical mappings	Based examples
	19.06.2021			
4	21.06.2021	doubt class	based examples	based examples
	22.06.2021	gauss elimination method	based examples	Directions of Projection for a particle to hit a given point

	23.06.2021	**examples**	based examples	Definitions and based examples
	24.06.2021	Sant Kabir Jayanti		
	25.06.2021	gauss jordan method	based examples	**ch-9 Introduction of Central Orbits**
	26.06.2021	LU decomposition method	doubt class	Definitions and based examples
5	28.06.2021	examples	doubt class	based theorem
	29.06.2021	**crouts method**	**test of unit 1**	**based examples**
	30.06.2021	**test of unit 2**		
1	01.07.2021	**cholesky method**		
	02.07.2021	**jacobi method**		
	03.07.2021	gauss seidal method	test of unit 3	Ch-10 Introduction of Kepler's Laws of Planetary Motion
2	05.07.2021	relaxation method	test of unit 4	based theorem
	06.07.2021	**doubt class**	**revision**	based examples
	07.07.2021	revision	**revision**	ch-11 Introduction of Motion of a Particle in three Dimension
	08.07.2021	revision	**revision**	based theorem
	09.07.2021	revision	**revision**	test of unit-1,2
	10.07.2021	revision	full length test	test of unit 3,4
	12.07.2021	**full length test**	**revision**	**test of full syllabus**

Dayanand Mahila Mahavidyalaya, Kurukshetra
Lesson Plan
Session 2020-21 (17.04.2021 to 12.07.2021)
Name of Teacher…Ms Nikki…………………
Subject- Number Theory and Trigonometry

Week	Date	Class- B.Sc(cs)1st year	B.Sc(nm)1st year	Class ………………
		Semester-2	Semester -2	Semester ………
3	17.04.2021	Review chapter	Review chapter	
4	19.04.2021	De-Moivre's theorem and it's applications	De-Moivre's theorem and it's applications	
	20.04.2021	based examples	based examples	
	21.04.2021	Ram Navami		
	22.04.2021	Roots of a complex number and based examples	Roots of a complex number and based examples	
	23.04.2021	solutions of equations and based examples	solutions of equations and based examples	
	24.04.2021	Expansion of $\cos n\Theta$ and $\sin n\Theta$ in terms of $\cos\Theta$ and $\sin\Theta$, n being a positive integer	Expansion of $\cos n\Theta$ and $\sin n\Theta$ in terms of $\cos\Theta$ and $\sin\Theta$, n being a positive integer	
5	26.04.2021	based examples	based examples	
	27.04.2021	Expansion of $\cos\theta$ in terms of cosine of multiple angles	Expansion of $\cos\theta$ in terms of cosine of multiple angles	
	28.04.2021	Expansion of $\sin\theta$ in terms of cosines or sines of multiple of θ , according as n is even or odd integer	Expansion of $\sin\theta$ in terms of cosines or sines of multiple of θ , according as n is even or odd integer	
	29.04.2021	queries of ch-7	queries of ch-7	
	30.04.2021	ch-8, Exponential function of a complex variable and it's properties	ch-8, Exponential function of a complex variable and it's properties	
1	01.05.2021	EULER'S theorem and examples	EULER'S theorem and examples	
2	03.05.2021	ch-9 Hyperbolic functions and periodicity of hyperbolic functions	ch-9 Hyperbolic functions and periodicity of hyperbolic functions	
	04.05.2021	based theorem	based theorem	
	05.05.2021	based theorem	based theorem	
	06.05.2021	queries of ch-9	queries of ch-9	
	07.05.2021	test of ch-8,9	test of ch-8,9	

Week	Date	Class- B.Sc(cs)1st year Semester-2	B.Sc(nm)1st year Semester -2	Class ……………… Semester ………
	08.05.2021	ch-10, introduction of Logarithm of a complex quantity	ch-10, introduction of Logarithm of a complex quantity	
3	10.05.2021	Laws of Logarithms for complex number	Laws of Logarithms for complex number	
	11.05.2021	based examples	based examples	
	12.05.2021	General Exponential and Logarithmic functions and based examples	General Exponential and Logarithmic functions and based examples	
	13.05.2021	test of ch-10	test of ch-10	
	14.05.2021	Id-ul-Fitr/Parshuram Jayanti		
	15.05.2021	ch-11, Introduction of inverse circular and inverse hyperbolic functions	ch-11, Introduction of inverse circular and inverse hyperbolic functions	
4	17.05.2021	based examples	based examples	
	18.05.2021	based theorem	based theorem	
	19.05.2021	Gregory's series and example	Gregory's series and example	
	20.05.2021	queries of ch-11	queries of ch-11	
	21.05.2021	ch-12, Summation of series	ch-12, Summation of series	
	22.05.2021	based examples	based examples	
5	24.05.2021	Method of differences and based examples	Method of differences and based examples	
	25.05.2021	c+is method of summation	c+is method of summation	
	26.05.2021	series depending upon exponential , sone, cosine and logarithmic series	series depending upon exponential , sone, cosine and logarithmic series	
	27.05.2021	queries of ch-12	queries of ch-12	
	28.05.2021	ch-1,introduction of divisibility and based examples	ch-1,introduction of divisibility and based examples	
	29.05.2021	based examples	based examples	
	31.05.2021	Division algorithm	Division algorithm	
1	01.06.2021	Gauss theorem	Gauss theorem	
	02.06.2021	based examples	based examples	
	03.06.2021	Euclid's First and second theorem	Euclid's First and second theorem	
	04.06.2021	Fundamental theorem of arithmetic	Fundamental theorem of arithmetic	
	05.06.2021	based examples	based examples	
2	07.06.2021	queries of ch-1	queries of ch-1	
	08.06.2021	ch-2, Congruences and based theorem	ch-2, Congruences and based theorem	
	09.06.2021	based examples	based examples	
	10.06.2021	Linear congruence and some important theorem	Linear congruence and some important theorem	
	11.06.2021	test of ch-2	test of ch-2	

Week	Date	Class- B.Sc(cs)1st year	B.Sc(nm)1st year	Class ………………
		Semester-2	Semester -2	Semester ………
	12.06.2021	ch-3, Fermat's theorem and based examples	ch-3, Fermat's theorem and based examples	
3	14.06.2021	Wilson's theorem and based examples	Wilson's theorem and based examples	
	15.06.2021	Chinese Remainder theorem	Chinese Remainder theorem	
	16.06.2021	based examples	based examples	
	17.06.2021	queries of ch-3	queries of ch-3	
	18.06.2021	test of ch-3	test of ch-3	
	19.06.2021			
4	21.06.2021	ch-4, EULER'S function (- function) and based examples	ch-4, EULER'S function (- function) and based examples	
	22.06.2021	based examples	based examples	
	23.06.2021	**complete residue system and based examples**	**complete residue system and based examples**	
	24.06.2021	Sant Kabir Jayanti		
	25.06.2021	EULER'S generalization of Fermat's theorem and examples	EULER'S generalization of Fermat's theorem and examples	
	26.06.2021	queries of ch-4	queries of ch-4	
5	28.06.2021	ch-5,Greatest integer function and examples	ch-5,Greatest integer function and examples	
	29.06.2021	**Division and Sigma function of n and important theorem**	**Division and Sigma function of n and important theorem**	
	30.06.2021			
1	01.07.2021	Mobius function and examples	Mobius function and examples	
	02.07.2021			
	03.07.2021	ch-6,introduction of quadratic residues and examples	ch-6,introduction of quadratic residues and examples	
2	05.07.2021	Gauss lemma and Gauss Reciprocity law	Gauss lemma and Gauss Reciprocity law	
	06.07.2021	**based examples**	**based examples**	
	07.07.2021	Test of unit-1	Test of unit-1	
	08.07.2021	Test of unit -2	Test of unit -2	
	09.07.2021	Test of unit-3	Test of unit-3	
	10.07.2021	Test of unit -4	Test of unit -4	
	12.07.2021	**Test of full syllabus**	**Test of full syllabus**	

Dayanand Mahila Mahavidyalaya, Kurukshetra
Lesson Plan
Session 2020-21 (17.04.2021 to 12.07.2021)
Name of Teacher…JYOTI BAJAJ
Subject ………MATHS

Week	Date	Class … B.Sc.1 Semester …2 (Vector Calculus)	Class …B.A.2 Semester 4(Programming in c and numerical methods)	Class …B.A.3 semester- 6 (Linear Algebra)
3	17.04.2021	Review chapter	chapter 1: introduction of computer	ch-1 introduction of chapter
4	19.04.2021	ch-1 introduction of chapter	algorithm, flowchart	vector space and based examples
	20.04.2021	scalar triple product	chapter 2: importance in C	properties of vector space
	21.04.2021	Ram Navami		
	22.04.2021	based theorems	constants, variables	based theorems
	23.04.2021	based examples	chapter 3: data types	based examples
	24.04.2021	vector triple product	void type, qualifiers	sub space and based theorems
5	26.04.2021	based examples	the scanf, printf function	based examples
	27.04.2021	scalar and vector product of 4 vectors	execution of a C program	ch-1 completed
	28.04.2021	based examples	doubt class	ch-2 introduction of chapter
	29.04.2021	reciprocal system of vectors	test of chapter 1	L.I. and L.D. vectors and based theorems
	30.04.2021	ch- 1 completed	chapter 4: arithmetic operators	based examples
1	01.05.2021	queries of ch-1	different types of operators	linear span and based theorems
2	03.05.2021	ch-2 introduction of chapter	library functions in C	based examples
	04.05.2021	vector function and scalar function	doubt class	basis and based theorems
	05.05.2021	based theorems	test of chapter 3	based examples
	06.05.2021	based examples	chapter 5: control structures	identical spaces and based examples
	07.05.2021	velocity and acceleration	the switch statement, the goto statement	direct sum and based examples
	08.05.2021	based examples	doubt class	cha-2 completed
3	10.05.2021	ch-2 completed	test of chapter 5	test of ch-1
	11.05.2021	queries of ch-2	chapter 6: loops	ch-3 introduction of chapter
	12.05.2021	ch-3 introduction of chapter	types of loops	quotient space and based theorems
	13.05.2021	partial derivative of vectors	the break statement, the continue statement	based examples
	14.05.2021	Id-ul-Fitr/Parshuram Jayanti		
	15.05.2021	test of ch-1	doubt class	ch-3 completed
4	17.05.2021	based examples	test of chapter 2	assignment submission
	18.05.2021	vector differential operators and based theorems	chapter 7: advantages of function	assignment submission
	19.05.2021	based examples	function definition, the return statement	ch-4 introduction of chapter
	20.05.2021	directional derivatives and based theorems	local and global variables	linear transformations and based examples

Week	Date	Class … B.Sc.1 Semester …2 (Vector Calculus)	Class …B.A.2 Semester 4(Programming in c and numerical methods)	Class …B.A.3 semester- 6 (Linear Algebra)
	21.05.2021	based examples	chapter 8: file inclusion, macros	vector space isomorphism and based theorems
	22.05.2021	divergence of vector function and based examples	directives	based examples
5	24.05.2021	curl of a vector function and based examples	doubt class	remaining examples
	25.05.2021	second order differential functions and based examples	chapter 6	ch-4 completed
	26.05.2021	ch-3 completed	chapter 9: arrays	test of ch-2
	27.05.2021	test of ch-2	types of arrays	ch-5 introduction of chapter
	28.05.2021	ch-4 introduction of chapter	chapter 10: strings	null space, range space and based theorems
	29.05.2021	curvilinear co ordinates and their orthogonality	types of strings	based examples
	31.05.2021	based theorems	chapter 11: defining a structure, structure initializarion	rank and nullity and based examples
1	01.06.2021	cylindrical co ordinates and based examples	structures initialization	ch-5 completed
	02.06.2021	spherical co ordinates and based examples	array of structures	ch-6 introduction of chapter
	03.06.2021	ch-4 completed	unions	sum of linear transformations and based examples
	04.06.2021	assignment submission	test of chapter 7	singular and non singular L.T. and based examples
	05.06.2021	assignment submission	chapter 12: the concept	invertible L.T. and based examples
2	07.06.2021	queries of ch-4	pointers	ch-6 completed
	08.06.2021	ch-5 introduction of chapter	pointers as function arguments	ch-7 introduction of chapter
	09.06.2021	indefinite and definite integral	pointers and structures	matrix of L.T. and based examples
	10.06.2021	based examples	chapter 13: continuation, variation	transition matrix and based examples
	11.06.2021	line integral and based examples	descartes rule	ch-7 completed
	12.06.2021	circulation and based examples	examples	test of ch-3
3	14.06.2021	surface integral and based examples	examples	ch-8 introduction of chapter
	15.06.2021	volume integral and based examples	examples	vector space of all L.T.
	16.06.2021	ch-5 completed	method of regula falsi	dual space and based examples.and chapter completed
	17.06.2021	queries of ch-5	examples	test of ch-4,5
	18.06.2021	test of 3.1, 3.2, 3.3	newton raphson method	ch-9 introduction of chapter
	19.06.2021			
4	21.06.2021	test of 3.4, 3.5, 3.6		eigen values and vectors of L.T.

Week	Date	Class … B.Sc.1 Semester …2 (Vector Calculus)	Class …B.A.2 Semester 4(Programming in c and numerical methods)	Class …B.A.3 semester- 6 (Linear Algebra)
	22.06.2021	ch-6 introduction of chapter	doubt class	based theorems and examples
	23.06.2021	**Gauss's Divergence theorem**	gauss elimination method	**diagonalisation and based examples**
	24.06.2021	Sant Kabir Jayanti		
	25.06.2021	based examples		mininal polynomial and based examples
	26.06.2021	Green's theorem and based examples	gauss jordan method	ch-10 inner product space and based examples
5	28.06.2021	stoke's theorem and based examples	LU decomposition method	normed linear space and based examples
	29.06.2021	**ch-6 completed**	examples	**orthonormal set and based examples**
	30.06.2021			
1	01.07.2021	revision of unit 1		remaining examples and chapter completed
	02.07.2021			
	03.07.2021	revision of unit 2		ch-11 operators and based examples
2	05.07.2021	revision of unit 3	gauss seidal method	based theorems
	06.07.2021	**revision of unit 4**	relaxation method	**chapter completed**
	07.07.2021	test of unit 1	**doubt class**	revision of unit 1
	08.07.2021	test of unit 2	revision	revision of unit 2
	09.07.2021	test of unit 3	revision	revision of unit 3
	10.07.2021	test of unit 4	revision	revision of unit 4
	12.07.2021	**test of full syllabus**	revision	**test of full syllabus**
			full length test	

Dayanand Mahila Mahavidyalaya, Kurukshetra
Lesson Plan
Session 2020-21 (17.04.2021 to 12.07.2021)
Name of Teacher…JYOTI BAJAJ…
Subject …MATHS

Week	Date	Class- B.Sc1 & B.A.1	Class ………………	Class ………………
		Semester- 02(Number Theory and Trigonometry)	Semester ………	Semester ………
3	17.04.2021	Review chapter		
4	19.04.2021	De-Moivre's theorem and it's applications		
	20.04.2021	based examples		
	21.04.2021	Ram Navami		
	22.04.2021	Roots of a complex number and based examples		
	23.04.2021	solutions of equations and based examples		
	24.04.2021	Expansion of $\cos n\Theta$ and $\sin n\Theta$ in terms of $\cos\Theta$ and $\sin\Theta$, n being a positive integer		
5	26.04.2021	based examples		
	27.04.2021	Expansion of $\cos\theta$ in terms of cosine of multiple angles		
	28.04.2021	Expansion of $\sin\theta$ in terms of cosines or sines of multiple of θ , according as n is even or odd integer		
	29.04.2021	queries of ch-7		
	30.04.2021	ch-8, Exponential function of a complex variable and it's properties		
1	01.05.2021	EULER'S theorem and examples		
2	03.05.2021	ch-9 Hyperbolic functions and periodicity of hyperbolic functions		
	04.05.2021	based theorem		
	05.05.2021	based examples		
	06.05.2021	queries of ch-9		

Week	Date	Class- B.Sc1 & B.A.1 Semester- 02(Number Theory and Trigonometry)	Class ……………… Semester ………	Class ……………… Semester ………
	07.05.2021	test of ch-8,9		
	08.05.2021	ch-10, introduction of Logarithm of a complex quantity		
3	10.05.2021	Laws of Logarithms for complex number		
	11.05.2021	based examples		
	12.05.2021	General Exponential and Logarithmic functions and based examples		
	13.05.2021	test of ch-10		
	14.05.2021	Id-ul-Fitr/Parshuram Jayanti		
	15.05.2021	ch-11, Introduction of inverse circular and inverse hyperbolic functions		
4	17.05.2021	based examples		
	18.05.2021	based theorem		
	19.05.2021	Gregory's series and example		
	20.05.2021	queries of ch-11		
	21.05.2021	ch-12, Summation of series		
	22.05.2021	based examples		
5	24.05.2021	Method of differences and based examples		
	25.05.2021	c+is method of summation		
	26.05.2021	series depending upon exponential , sone, cosine and logarithmic series		
	27.05.2021	queries of ch-12		
	28.05.2021	ch-1,introduction of divisibility and based examples		
	29.05.2021	based examples		
	31.05.2021	Division algorithm		
1	01.06.2021	Gauss theorem		
	02.06.2021	based examples		
	03.06.2021	Euclid's First and second theorem		
	04.06.2021	Fundamental theorem of arithmetic		
	05.06.2021	based examples		
2	07.06.2021	queries of ch-1		
	08.06.2021	ch-2, Congruences and based theorem		
	09.06.2021	based examples		
	10.06.2021	Linear congruence and some important theorem		
	11.06.2021	test of ch-2		

Week	Date	Class- B.Sc1 & B.A.1 Semester- 02(Number Theory and Trigonometry)	Class ……………… Semester ………	Class ……………… Semester ………
	12.06.2021	ch-3, Fermat's theorem and based examples		
3	14.06.2021	Wilson's theorem and based examples		
	15.06.2021	Chinese Remainder theorem		
	16.06.2021	based examples		
	17.06.2021	queries of ch-3		
	18.06.2021	test of ch-3		
	19.06.2021			
4	21.06.2021	ch-4, EULER'S function (- function) and based examples		
	22.06.2021	based examples		
	23.06.2021	**complete residue system and based examples**		
	24.06.2021	Sant Kabir Jayanti		
	25.06.2021	EULER'S generalization of Fermat's theorem and examples		
	26.06.2021	queries of ch-4		
5	28.06.2021	ch-5,Greatest integer function and examples		
	29.06.2021	**Division and Sigma function of n and important theorem**		
	30.06.2021			
1	01.07.2021	Mobius function and examples		
	02.07.2021			
	03.07.2021	ch-6,introduction of quadratic residues and examples		
2	05.07.2021	Gauss lemma and Gauss Reciprocity law		
	06.07.2021	**based examples**		
	07.07.2021	Test of unit-1		
	08.07.2021	Test of unit -2		
	09.07.2021	Test of unit-3		
	10.07.2021	Test of unit -4		
	12.07.2021	**Test of full syllabus**		

Dayanand Mahila Mahavidyalaya, Kurukshetra
Lesson Plan
Session 2020-21 (17.04.2021 to 12.07.2021)
Name of Teacher…JYOTI BAJAJ…
Subject …MATHS

Week	Date	Class- B.Sc1 & B.A.1	Class ………………	Class ………………
		Semester- 02(Number Theory and Trigonometry)	Semester ………	Semester ………
3	17.04.2021	Review chapter		
4	19.04.2021	De-Moivre's theorem and it's applications		
	20.04.2021	based examples		
	21.04.2021	Ram Navami		
	22.04.2021	Roots of a complex number and based examples		
	23.04.2021	solutions of equations and based examples		
	24.04.2021	Expansion of $\cos n\Theta$ and $\sin n\Theta$ in terms of $\cos\Theta$ and $\sin\Theta$, n being a positive integer		
5	26.04.2021	based examples		
	27.04.2021	Expansion of $\cos\theta$ in terms of cosine of multiple angles		
	28.04.2021	Expansion of $\sin\theta$ in terms of cosines or sines of multiple of θ , according as n is even or odd integer		
	29.04.2021	queries of ch-7		
	30.04.2021	ch-8, Exponential function of a complex variable and it's properties		
1	01.05.2021	EULER'S theorem and examples		
2	03.05.2021	ch-9 Hyperbolic functions and periodicity of hyperbolic functions		
	04.05.2021	based theorem		
	05.05.2021	based examples		
	06.05.2021	queries of ch-9		
	07.05.2021	test of ch-8,9		

Week	Date	Class- B.Sc1 & B.A.1 Semester- 02(Number Theory and Trigonometry)	Class ……………… Semester ………	Class ……………… Semester ………
	08.05.2021	ch-10, introduction of Logarithm of a complex quantity		
3	10.05.2021	Laws of Logarithms for complex number		
	11.05.2021	based examples		
	12.05.2021	General Exponential and Logarithmic functions and based examples		
	13.05.2021	test of ch-10		
	14.05.2021	Id-ul-Fitr/Parshuram Jayanti		
	15.05.2021	ch-11, Introduction of inverse circular and inverse hyperbolic functions		
4	17.05.2021	based examples		
	18.05.2021	based theorem		
	19.05.2021	Gregory's series and example		
	20.05.2021	queries of ch-11		
	21.05.2021	ch-12, Summation of series		
	22.05.2021	based examples		
5	24.05.2021	Method of differences and based examples		
	25.05.2021	c+is method of summation		
	26.05.2021	series depending upon exponential , sone, cosine and logarithmic series		
	27.05.2021	queries of ch-12		
	28.05.2021	ch-1,introduction of divisibility and based examples		
	29.05.2021	based examples		
	31.05.2021	Division algorithm		
1	01.06.2021	Gauss theorem		
	02.06.2021	based examples		
	03.06.2021	Euclid's First and second theorem		
	04.06.2021	Fundamental theorem of arithmetic		
	05.06.2021	based examples		
2	07.06.2021	queries of ch-1		
	08.06.2021	ch-2, Congruences and based theorem		
	09.06.2021	based examples		
	10.06.2021	Linear congruence and some important theorem		
	11.06.2021	test of ch-2		

Week	Date	Class- B.Sc1 & B.A.1	Class ……………	Class ……………
		Semester- 02(Number Theory and Trigonometry)	Semester ………	Semester ………
	12.06.2021	ch-3, Fermat's theorem and based examples		
3	14.06.2021	Wilson's theorem and based examples		
	15.06.2021	Chinese Remainder theorem		
	16.06.2021	based examples		
	17.06.2021	queries of ch-3		
	18.06.2021	test of ch-3		
	19.06.2021			
4	21.06.2021	ch-4, EULER'S function (- function) and based examples		
	22.06.2021	based examples		
	23.06.2021	**complete residue system and based examples**		
	24.06.2021	Sant Kabir Jayanti		
	25.06.2021	EULER'S generalization of Fermat's theorem and examples		
	26.06.2021	queries of ch-4		
5	28.06.2021	ch-5,Greatest integer function and examples		
	29.06.2021	**Division and Sigma function of n and important theorem**		
	30.06.2021			
1	01.07.2021	Mobius function and examples		
	02.07.2021			
	03.07.2021	ch-6,introduction of quadratic residues and examples		
2	05.07.2021	Gauss lemma and Gauss Reciprocity law		
	06.07.2021	**based examples**		
	07.07.2021	Test of unit-1		
	08.07.2021	Test of unit -2		
	09.07.2021	Test of unit-3		
	10.07.2021	Test of unit -4		
	12.07.2021	**Test of full syllabus**		

Dayanand Mahila Mahavidyalaya, Kurukshetra
Lesson Plan
Session 2020-21 (17.04.2021 to 12.07.2021)
Name of Teacher……Dr Upasna Ahuja
Subject ……Maths

Week	Date	Class …B.A.1 Semester …2 (Ordinary Differential Equations)	Class …B.A.2 Semester …4(Special functions and Integral Transforms)	Class …B.A.3 Semester …6(Dynamics)
3	17.04.2021	Review chapter	Review chapter	Review chapter
4	19.04.2021	ch-1 introduction of chapter Exact differential equations	ch-1 introduction of chapter Power Series	ch-1 introduction of chapter Motion along a plane curve
	20.04.2021	based theorem	based examples	Definitions and based examples
	21.04.2021	Ram Navami		
	22.04.2021	based examples	Analytic function and based examples	Definitions and based examples
	23.04.2021	Integrating factor and based examples	Existence of Power Series solution and based examples	Tangential and Normal velocities and Acceleration and based examples
	24.04.2021	based examples	based examples	based examples
5	26.04.2021	based examples	Frobenius method and based examples	based examples
	27.04.2021	based examples	Different types and based examples	based examples
	28.04.2021	ch- 1 completed	based examples	ch- 1 completed
	29.04.2021	queries of ch-1	ch- 1 completed	ch-2 introduction of chapter Relative Motion
	30.04.2021	ch-2 introduction of chapter Equations of First order and higher Degree	ch-2 introduction of chapter Bessel's equations and Bessel's function	Important Definations and based examples
1	01.05.2021	based examples	based theorem	Important Definations and based examples
2	03.05.2021	Equations solvable for x, based examples	based theorem	ch- 2 completed
	04.05.2021	Equations solvable for y, based examples	based examples	ch-3 introduction of chapter - Simple Harmonic Motion
	05.05.2021	Lagrange's Equation and based examples	Generating function for jn(x) , based theorem	based theorem
	06.05.2021	Equations Reducible to Clairaut's Form and based examples	based theorem	based examples
	07.05.2021	Singular solution and based examples	Equations reducible to Bessel's equation and based examples	ch-3 completed
	08.05.2021	ch-2 completed	Orthogonality relation of Bessel's function and based examples	test of ch-1

Week	Date	Class …B.A.1 Semester …2 (Ordinary Differential Equations)	Class …B.A.2 Semester …4(Special functions and Integral Transforms)	Class …B.A.3 Semester …6(Dynamics)
3	10.05.2021	queries of ch-2	ch-3 introduction of chapter - Legendre's Equations	ch-4 introduction of chapter Elastic Strings
	11.05.2021	ch-3 introduction of chapter - Orthogonal Trajectories	based theorem	based theorem
	12.05.2021	based examples	based theorem	based theorem
	13.05.2021	based examples	based examples	based examples
	14.05.2021	Id-ul-Fitr/Parshuram Jayanti		
	15.05.2021	test of ch-1	test of ch-1	ch-4 completed
4	17.05.2021	based examples	Recurrence Relations and based examples	assignment submission
	18.05.2021	ch-3 completed	Orthogonality of Legendre polynomial and based examples	assignment submission
	19.05.2021	test of ch-2	based examples	ch-5 introduction of chapter Newton's laws of Motion
	20.05.2021	ch-4 introduction of chapter Linear Differential equations with constant coefficients	test of ch-2	Important Definations and based examples
	21.05.2021	Rules for finding C.F and based examples	ch-4 introduction of chapter Hermite's Equations	based examples
	22.05.2021	Particular Integrals and based examples	based theorem	important Definations and based examples
5	24.05.2021	based examples	based theorem	based theorem
	25.05.2021	based examples	based examples	based examples
	26.05.2021	different types and based examples	based examples	ch-5 completed
	27.05.2021	different types and based examples	ch-4 completed	ch-6 introduction of chapter Work, Power and Energy
	28.05.2021	different types and based examples	assignment submission	based theorem
	29.05.2021	ch-4 completed	assignment submission	based examples
	31.05.2021	assignment submission	ch-5 introduction of chapter Laplace Transforms	Definition of power and based examples
1	01.06.2021	assignment submission	based theorem and based examples	based examples
	02.06.2021	queries of ch-4	First shifting property and based examples	Definition of Energy and related Theorem
	03.06.2021	ch-5 introduction of chapter Homogeneous Linear Differential equations	theorem and based examples	based examples
	04.06.2021	Methods to solve homogeneous Linear Differential equations and based examples	theorem and based examples	based examples
	05.06.2021	based examples	theorem and based examples	ch-6 completed

Week	Date	Class …B.A.1	Class …B.A.2	Class …B.A.3
		Semester …2 (Ordinary Differential Equations)	Semester …4(Special functions and Integral Transforms)	Semester …6(Dynamics)
2	07.06.2021	Legendre's Linear Differential equations and based examples	theorem and based examples	ch-7 introduction of chapter Motion of a particle on smooth and rough plane curves
	08.06.2021	based examples	ch-6 introduction of chapter Inverse Laplace Transforms	based theorem
	09.06.2021	ch-5 completed	based examples	based examples
	10.06.2021	queries of ch-5	Other methods for finding inverse Transforms and based examples	Motion on the outside of a vertical circle
	11.06.2021	test of ch-3	Convolution theorem and based examples	test of ch-2
	12.06.2021	ch-6 introduction of chapter Linear Differential equations of second order	ch-7 introduction of chapter Use of Laplace Transforms in Integral equations	based examples
3	14.06.2021	Solution of a linear differential equations of second order and based examples	based examples	Motion on the inside of a smooth vertical circle
	15.06.2021	Methods for finding particular Integrals and based examples	**ch-8 introduction of Solutions of Differential equations by Transformation**	based examples
	16.06.2021	based examples	based examples	based examples
	17.06.2021	Solution of a linear differential equations of second order by removing the first derivative and changing the dependent variable and based examples	Solution of Ordinary differential equations with variable coefficient by transform method	**ch-8 introduction of Projectiles**
	18.06.2021	based examples	based examples	Definitions and based examples
	19.06.2021			
4	21.06.2021	Solution of a linear differential equations of second order by changing the independent variable and based examples	test of ch- 5,6	based examples
	22.06.2021	Method of variation of parameters and based examples	ch-9 Introduction of Fourier transforms	Directions of Projection for a particle to hit a given point
	23.06.2021	The method of undetermined coefficients and based examples	**Properties and based examples**	Definitions and based examples
	24.06.2021		Sant Kabir Jayanti	
	25.06.2021	Introduction of ch-7 Ordinary Simultaneous differential equations	based examples	**ch-9 Introduction of Central Orbits**

Week	Date	Class …B.A.1	Class …B.A.2	Class …B.A.3
		Semester …2 (Ordinary Differential Equations)	Semester …4(Special functions and Integral Transforms)	Semester …6(Dynamics)
	26.06.2021	methods of solving simultaneous equations and based examples	Examples based on the Use of Inverse Transforms	Definitions and based examples
5	28.06.2021	methods to find second solution with the help of the first solution and based examples	based theorem	based theorem
	29.06.2021	**introduction of ch-8 Total differential equations**	**based examples**	**based examples**
	30.06.2021			
1	01.07.2021	based theorem	based examples	Ch-10 Introduction of Kepler's Laws of Planetary Motion
	02.07.2021			
	03.07.2021	based examples	ch-10 Introduction of Solution of Differential equations by Fourier transforms	based theorem
2	05.07.2021	solution of homogeneous total differential equation and based examples	based examples	based examples
	06.07.2021	**solution of total differential equation and based examples**	**based examples**	ch-11 Introduction of Motion of a Particle in three Dimension
	07.07.2021	based examples	test of unit 1	based theorem
	08.07.2021	test of unit 1,2	test of unit 2	based examples
	09.07.2021	test of unit 3	test of unit 3	test of unit-1,2
	10.07.2021	test of unit 4	test of unit 4	test of unit 3,4
	12.07.2021	**test of full syllabus**	**test of full syllabus**	**test of full syllabus**

Dayanand Mahila Mahavidyalaya, Kurukshetra
Lesson Plan
Session 2020-21 (17.04.2021 to 12.07.2021)
Name of Teacher……Dr Upasna Ahuja
Subject ……Maths

Week	Date	Class …B.A.1	Class …B.A.2	Class …B.A.3
		Semester …2 (Ordinary Differential Equations)	Semester …4(Special functions and Integral Transforms)	Semester …6(Dynamics)
3	17.04.2021	Review chapter	Review chapter	Review chapter
4	19.04.2021	ch-1 introduction of chapter Exact differential equations	ch-1 introduction of chapter Power Series	ch-1 introduction of chapter Motion along a plane curve
	20.04.2021	based theorem	based examples	Definitions and based examples
	21.04.2021	Ram Navami		
	22.04.2021	based examples	Analytic function and based examples	Definitions and based examples
	23.04.2021	Integrating factor and based examples	Existence of Power Series solution and based examples	Tangential and Normal velocities and Acceleration and based examples
	24.04.2021	based examples	based examples	based examples
5	26.04.2021	based examples	Frobenius method and based examples	based examples
	27.04.2021	based examples	Different types and based examples	based examples
	28.04.2021	ch- 1 completed	based examples	ch- 1 completed
	29.04.2021	queries of ch-1	ch- 1 completed	ch-2 introduction of chapter Relative Motion
	30.04.2021	ch-2 introduction of chapter Equations of First order and higher Degree	ch-2 introduction of chapter Bessel's equations and Bessel's function	Important Definations and based examples
1	01.05.2021	based examples	based theorem	Important Definations and based examples
2	03.05.2021	Equations solvable for x, based examples	based theorem	ch- 2 completed
	04.05.2021	Equations solvable for y, based examples	based examples	ch-3 introduction of chapter - Simple Harmonic Motion
	05.05.2021	Lagrange's Equation and based examples	Generating function for jn(x) , based theorem	based theorem
	06.05.2021	Equations Reducible to Clairaut's Form and based examples	based theorem	based examples
	07.05.2021	Singular solution and based examples	Equations reducible to Bessel's equation and based examples	ch-3 completed
	08.05.2021	ch-2 completed	Orthogonality relation of Bessel's function and based examples	test of ch-1

Week	Date	Class …B.A.1	Class …B.A.2	Class …B.A.3
		Semester …2 (Ordinary Differential Equations)	Semester …4(Special functions and Integral Transforms)	Semester …6(Dynamics)
3	10.05.2021	queries of ch-2	ch-3 introduction of chapter - Legendre's Equations	ch-4 introduction of chapter Elastic Strings
	11.05.2021	ch-3 introduction of chapter - Orthogonal Trajectories	based theorem	based theorem
	12.05.2021	based examples	based theorem	based theorem
	13.05.2021	based examples	based examples	based examples
	14.05.2021	Id-ul-Fitr/Parshuram Jayanti		
	15.05.2021	test of ch-1	test of ch-1	ch-4 completed
4	17.05.2021	based examples	Recurrence Relations and based examples	assignment submission
	18.05.2021	ch-3 completed	Orthogonality of Legendre polynomial and based examples	assignment submission
	19.05.2021	test of ch-2	based examples	ch-5 introduction of chapter Newton's laws of Motion
	20.05.2021	ch-4 introduction of chapter Linear Differential equations with constant coefficients	test of ch-2	Important Definations and based examples
	21.05.2021	Rules for finding C.F and based examples	ch-4 introduction of chapter Hermite's Equations	based examples
	22.05.2021	Particular Integrals and based examples	based theorem	important Definations and based examples
5	24.05.2021	based examples	based theorem	based theorem
	25.05.2021	based examples	based examples	based examples
	26.05.2021	different types and based examples	based examples	ch-5 completed
	27.05.2021	different types and based examples	ch-4 completed	ch-6 introduction of chapter Work, Power and Energy
	28.05.2021	different types and based examples	assignment submission	based theorem
	29.05.2021	ch-4 completed	assignment submission	based examples
	31.05.2021	assignment submission	ch-5 introduction of chapter Laplace Transforms	Definition of power and based examples
1	01.06.2021	assignment submission	based theorem and based examples	based examples
	02.06.2021	queries of ch-4	First shifting property and based examples	Definition of Energy and related Theorem
	03.06.2021	ch-5 introduction of chapter Homogeneous Linear Differential equations	theorem and based examples	based examples
	04.06.2021	Methods to solve homogeneous Linear Differential equations and based examples	theorem and based examples	based examples
	05.06.2021	based examples	theorem and based examples	ch-6 completed

Week	Date	Class …B.A.1	Class …B.A.2	Class …B.A.3
		Semester …2 (Ordinary Differential Equations)	Semester …4(Special functions and Integral Transforms)	Semester …6(Dynamics)
2	07.06.2021	Legendre's Linear Differential equations and based examples	theorem and based examples	ch-7 introduction of chapter Motion of a particle on smooth and rough plane curves
	08.06.2021	based examples	ch-6 introduction of chapter Inverse Laplace Transforms	based theorem
	09.06.2021	ch-5 completed	based examples	based examples
	10.06.2021	queries of ch-5	Other methods for finding inverse Transforms and based examples	Motion on the outside of a vertical circle
	11.06.2021	test of ch-3	Convolution theorem and based examples	test of ch-2
	12.06.2021	ch-6 introduction of chapter Linear Differential equations of second order	ch-7 introduction of chapter Use of Laplace Transforms in Integral equations	based examples
3	14.06.2021	Solution of a linear differential equations of second order and based examples	based examples	Motion on the inside of a smooth vertical circle
	15.06.2021	Methods for finding particular Integrals and based examples	**ch-8 introduction of Solutions of Differential equations by Transformation**	based examples
	16.06.2021	based examples	based examples	based examples
	17.06.2021	Solution of a linear differential equations of second order by removing the first derivative and changing the dependent variable and based examples	Solution of Ordinary differential equations with variable coefficient by transform method	**ch-8 introduction of Projectiles**
	18.06.2021	based examples	based examples	Definitions and based examples
	19.06.2021			
4	21.06.2021	Solution of a linear differential equations of second order by changing the independent variable and based examples	test of ch- 5,6	based examples
	22.06.2021	Method of variation of parameters and based examples	ch-9 Introduction of Fourier transforms	Directions of Projection for a particle to hit a given point
	23.06.2021	The method of undetermined coefficients and based examples	**Properties and based examples**	Definitions and based examples
	24.06.2021		Sant Kabir Jayanti	
	25.06.2021	Introduction of ch-7 Ordinary Simultaneous differential equations	based examples	**ch-9 Introduction of Central Orbits**

Week	Date	Class …B.A.1	Class …B.A.2	Class …B.A.3
		Semester …2 (Ordinary Differential Equations)	Semester …4(Special functions and Integral Transforms)	Semester …6(Dynamics)
	26.06.2021	methods of solving simultaneous equations and based examples	Examples based on the Use of Inverse Transforms	Definitions and based examples
5	28.06.2021	methods to find second solution with the help of the first solution and based examples	based theorem	based theorem
	29.06.2021	**introduction of ch-8 Total differential equations**	**based examples**	**based examples**
	30.06.2021			
1	01.07.2021	based theorem	based examples	Ch-10 Introduction of Kepler's Laws of Planetary Motion
	02.07.2021			
	03.07.2021	based examples	ch-10 Introduction of Solution of Differential equations by Fourier transforms	based theorem
2	05.07.2021	solution of homogeneous total differential equation and based examples	based examples	based examples
	06.07.2021	**solution of total differential equation and based examples**	**based examples**	ch-11 Introduction of Motion of a Particle in three Dimension
	07.07.2021	based examples	test of unit 1	based theorem
	08.07.2021	test of unit 1,2	test of unit 2	based examples
	09.07.2021	test of unit 3	test of unit 3	test of unit-1,2
	10.07.2021	test of unit 4	test of unit 4	test of unit 3,4
	12.07.2021	**test of full syllabus**	**test of full syllabus**	**test of full syllabus**

Dayanand Mahila Mahavidyalaya, Kurukshetra
Lesson Plan
Session 2020-21 (17.04.2021 to 12.07.2021)
Name of Teacher…Dr Upasna Ahuja
Subject …Maths

Week	Date	Class …B.A.1 Semester …2 (Vector Calculus)	Class ……………… Semester ………	Class …B.A.3 semester- 6 (Linear Algebra)
3	17.04.2021	Review chapter		ch-1 introduction of chapter
4	19.04.2021	ch-1 introduction of chapter		vector space and based examples
	20.04.2021	scalar triple product		properties of vector space
	21.04.2021	Ram Navami		
	22.04.2021	based theorems		based theorems
	23.04.2021	based examples		based examples
	24.04.2021	vector triple product		sub space and based theorems
5	26.04.2021	based examples		based examples
	27.04.2021	scalar and vector product of 4 vectors		ch-1 completed
	28.04.2021	based examples		ch-2 introduction of chapter
	29.04.2021	reciprocal system of vectors		L.I. and L.D. vectors and based theorems
	30.04.2021	ch- 1 completed		based examples
1	01.05.2021	queries of ch-1		linear span and based theorems
2	03.05.2021	ch-2 introduction of chapter		based examples
	04.05.2021	vector function and scalar function		basis and based theorems
	05.05.2021	based theorems		based examples
	06.05.2021	based examples		identical spaces and based examples
	07.05.2021	velocity and acceleration		direct sum and based examples
	08.05.2021	based examples		cha-2 completed
3	10.05.2021	ch-2 completed		test of ch-1
	11.05.2021	queries of ch-2		ch-3 introduction of chapter
	12.05.2021	ch-3 introduction of chapter		quotient space and based theorems
	13.05.2021	partial derivative of vectors		based examples
	14.05.2021	Id-ul-Fitr/Parshuram Jayanti		
	15.05.2021	test of ch-1		ch-3 completed
4	17.05.2021	based examples		assignment submission
	18.05.2021	vector differential operators and based theorems		assignment submission
	19.05.2021	based examples		ch-4 introduction of chapter
	20.05.2021	directional derivatives and based theorems		linear transformations and based examples
	21.05.2021	based examples		vector space isomorphism and based theorems
	22.05.2021	divergence of vector function and based examples		based examples

Week	Date	Class …B.A.1	Class ………………	Class …B.A.3
		Semester …2 (Vector Calculus)	Semester ………	semester- 6 (Linear Algebra)
5	24.05.2021	curl of a vector function and based examples		remaining examples
	25.05.2021	second order differential functions and based examples		ch-4 completed
	26.05.2021	ch-3 completed		test of ch-2
	27.05.2021	test of ch-2		ch-5 introduction of chapter
	28.05.2021	ch-4 introduction of chapter		null space, range space and based theorems
	29.05.2021	curvilinear co ordinates and their orthogonality		based examples
	31.05.2021	based theorems		rank and nullity and based examples
1	01.06.2021	cylindrical co ordinates and based examples		ch-5 completed
	02.06.2021	spherical co ordinates and based examples		ch-6 introduction of chapter
	03.06.2021	ch-4 completed		sum of linear transformations and based examples
	04.06.2021	assignment submission		singular and non singular L.T. and based examples
	05.06.2021	assignment submission		invertible L.T. and based examples
2	07.06.2021	queries of ch-4		ch-6 completed
	08.06.2021	ch-5 introduction of chapter		ch-7 introduction of chapter
	09.06.2021	indefinite and definite integral		matrix of L.T. and based examples
	10.06.2021	based examples		transition matrix and based examples
	11.06.2021	line integral and based examples		ch-7 completed
	12.06.2021	circulation and based examples		test of ch-3
3	14.06.2021	surface integral and based examples		ch-8 introduction of chapter
	15.06.2021	volume integral and based examples		vector space of all L.T.
	16.06.2021	ch-5 completed		dual space and based examples.and chapter completed
	17.06.2021	queries of ch-5		test of ch-4,5
	18.06.2021	test of 3.1, 3.2, 3.3		ch-9 introduction of chapter
	19.06.2021			
4	21.06.2021	test of 3.4, 3.5, 3.6		eigen values and vectors of L.T.
	22.06.2021	ch-6 introduction of chapter		based theorems and examples
	23.06.2021	**Gauss's Divergence theorem**		**diagonalisation and based examples**
	24.06.2021		Sant Kabir Jayanti	
	25.06.2021	based examples		mininal polynomial and based examples

Week	Date	Class …B.A.1	Class ………………	Class …B.A.3
		Semester …2 (Vector Calculus)	**Semester ………**	**semester- 6 (Linear Algebra)**
	26.06.2021	Green's theorem and based examples		ch-10 inner product space and based examples
5	28.06.2021	stoke's theorem and based examples		normed linear space and based examples
	29.06.2021	**ch-6 completed**		**orthonormal set and based examples**
	30.06.2021			
1	01.07.2021	revision of unit 1		remaining examples and chapter completed
	02.07.2021			
	03.07.2021	revision of unit 2		ch-11 operators and based examples
2	05.07.2021	revision of unit 3		based theorems
	06.07.2021	**revision of unit 4**		**chapter completed**
	07.07.2021	test of unit 1		revision of unit 1
	08.07.2021	test of unit 2		revision of unit 2
	09.07.2021	test of unit 3		revision of unit 3
	10.07.2021	test of unit 4		revision of unit 4
	12.07.2021	**test of full syllabus**		**test of full syllabus**

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		Semester …2 (Vector Calculus)	Semester ………	semester- 6 (Linear Algebra)
3	17.04.2021	Review chapter		ch-1 introduction of chapter
4	19.04.2021	ch-1 introduction of chapter		vector space and based examples
	20.04.2021	scalar triple product		properties of vector space
	21.04.2021	Ram Navami		
	22.04.2021	based theorems		based theorems
	23.04.2021	based examples		based examples
	24.04.2021	vector triple product		sub space and based theorems
5	26.04.2021	based examples		based examples
	27.04.2021	scalar and vector product of 4 vectors		ch-1 completed
	28.04.2021	based examples		ch-2 introduction of chapter
	29.04.2021	reciprocal system of vectors		L.I. and L.D. vectors and based theorems
	30.04.2021	ch- 1 completed		based examples
1	01.05.2021	queries of ch-1		linear span and based theorems
2	03.05.2021	ch-2 introduction of chapter		based examples
	04.05.2021	vector function and scalar function		basis and based theorems
	05.05.2021	based theorems		based examples
	06.05.2021	based examples		identical spaces and based examples
	07.05.2021	velocity and acceleration		direct sum and based examples
	08.05.2021	based examples		cha-2 completed
3	10.05.2021	ch-2 completed		test of ch-1
	11.05.2021	queries of ch-2		ch-3 introduction of chapter
	12.05.2021	ch-3 introduction of chapter		quotient space and based theorems
	13.05.2021	partial derivative of vectors		based examples
	14.05.2021	Id-ul-Fitr/Parshuram Jayanti		
	15.05.2021	test of ch-1		ch-3 completed
4	17.05.2021	based examples		assignment submission
	18.05.2021	vector differential operators and based theorems		assignment submission
	19.05.2021	based examples		ch-4 introduction of chapter
	20.05.2021	directional derivatives and based theorems		linear transformations and based examples
	21.05.2021	based examples		vector space isomorphism and based theorems
	22.05.2021	divergence of vector function and based examples		based examples

Week	Date	Class …B.A.1	Class …………	Class …B.A.3
		Semester …2 (Vector Calculus)	Semester ………	semester- 6 (Linear Algebra)
5	24.05.2021	curl of a vector function and based examples		remaining examples
	25.05.2021	second order differential functions and based examples		ch-4 completed
	26.05.2021	ch-3 completed		test of ch-2
	27.05.2021	test of ch-2		ch-5 introduction of chapter
	28.05.2021	ch-4 introduction of chapter		null space, range space and based theorems
	29.05.2021	curvilinear co ordinates and their orthogonality		based examples
	31.05.2021	based theorems		rank and nullity and based examples
1	01.06.2021	cylindrical co ordinates and based examples		ch-5 completed
	02.06.2021	spherical co ordinates and based examples		ch-6 introduction of chapter
	03.06.2021	ch-4 completed		sum of linear transformations and based examples
	04.06.2021	assignment submission		singular and non singular L.T. and based examples
	05.06.2021	assignment submission		invertible L.T. and based examples
2	07.06.2021	queries of ch-4		ch-6 completed
	08.06.2021	ch-5 introduction of chapter		ch-7 introduction of chapter
	09.06.2021	indefinite and definite integral		matrix of L.T. and based examples
	10.06.2021	based examples		transition matrix and based examples
	11.06.2021	line integral and based examples		ch-7 completed
	12.06.2021	circulation and based examples		test of ch-3
3	14.06.2021	surface integral and based examples		ch-8 introduction of chapter
	15.06.2021	volume integral and based examples		vector space of all L.T.
	16.06.2021	ch-5 completed		dual space and based examples.and chapter completed
	17.06.2021	queries of ch-5		test of ch-4,5
	18.06.2021	test of 3.1, 3.2, 3.3		ch-9 introduction of chapter
	19.06.2021			
4	21.06.2021	test of 3.4, 3.5, 3.6		eigen values and vectors of L.T.
	22.06.2021	ch-6 introduction of chapter		based theorems and examples
	23.06.2021	**Gauss's Divergence theorem**		**diagonalisation and based examples**
	24.06.2021		Sant Kabir Jayanti	
	25.06.2021	based examples		mininal polynomial and based examples

Week	Date	Class …B.A.1	Class ………………	Class …B.A.3
		Semester …2 (Vector Calculus)	**Semester ………**	**semester- 6 (Linear Algebra)**
	26.06.2021	Green's theorem and based examples		ch-10 inner product space and based examples
5	28.06.2021	stoke's theorem and based examples		normed linear space and based examples
	29.06.2021	**ch-6 completed**		**orthonormal set and based examples**
	30.06.2021			
1	01.07.2021	revision of unit 1		remaining examples and chapter completed
	02.07.2021			
	03.07.2021	revision of unit 2		ch-11 operators and based examples
2	05.07.2021	revision of unit 3		based theorems
	06.07.2021	**revision of unit 4**		**chapter completed**
	07.07.2021	test of unit 1		revision of unit 1
	08.07.2021	test of unit 2		revision of unit 2
	09.07.2021	test of unit 3		revision of unit 3
	10.07.2021	test of unit 4		revision of unit 4
	12.07.2021	**test of full syllabus**		**test of full syllabus**