

KVA DAV College for Women, Karnal
SESSION 2020-2021

Weekly Lesson Plan (Odd Semester)

(1st Semester)

Name of the Paper:- Algebra

CLASS : B.Sc I

Name of the Teacher : Dr. Shweta Dhawan

WEEK	DATE	TOPICS
1	November (16-21)	Matrices and Elementary Properties
		Matrices and Elementary Properties
		Matrices and Elementary Properties
		Matrices and Elementary Properties
		Matrices and Elementary Properties
		Matrices and Elementary Properties
SUNDAY - 22.11.2020		
2	November (23-28)	Matrices and Elementary Properties
		Matrices and Elementary Properties
		Rank of a Matrix
		Row Echelon Form
		Row Echelon Form
		Row reduced echelon form
SUNDAY - 29.11.2020		
HOLIDAY - 30.11.2020 (Guru Nanak Dev Jayanti)		
3	December (1-5)	Row reduced echelon form
		Theorem based on Normal Form
		Normal Form
		Normal Form
		Inverse of a Matrix
SUNDAY - 06.12.2020		
4	December (07-12)	Inverse of a Matrix
		Elementary matrices
		Elementary matrices
		Linearly independent and dependant vectors
		Linearly independent and dependant vectors
SUNDAY - 13.12.2020		
5	December (14-19)	Orthogonal Matrix
		Unitary Matrix
		Characteristic roots of a matrix
		Characteristic roots of a matrix
		Characterstic Vectors of a Matrix
		Characterstic Vectors of a Matrix
SUNDAY - 20.12.2020		

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6	December (21-24) (26)	Theroems Based on characteristic roots of a matrix
		Theroems Based on characteristic roots of a matrix
		Cayley hamilton theorem
		questions based on cayley Hamilton Theorem
HOLIDAY - 25.12.2020 (Christmas)		
SUNDAY - 27.12.2020		
7	December (28-31) January (1-2)	Minimal Polynomial of a matrix
		Minimal Polynomial of a matrix
		Application of matrices to solve system of equations
		Application of matrices to solve system of equations
		Non-Homogeneous system of equations
		Non-Homogeneous system of equations
SUNDAY - 03.01.2021		
8	January (4-9)	Homogeneous system of equations
		General properties of polynomial and equations
		Thoerem based on polynomials
		Horner's method of synthetic division
		Fundamental theorem of algebra
		numericals based on polynomials
SUNDAY - 10.01.2021		
9	January (11-16)	Horner's method of synthetic division
		Horner's method of synthetic division
		Fundamental theorem of algebra
		Thoerem based on polynomials
		numericals based on polynomials
		Relation between the roots and coefficients of an equation
SUNDAY - 17.01.2021		
10	January (18-19) 21-23)	Relation between the roots and coefficients of an equation
		common roots and repeated roots
		Transformation of equation
		Diminishing roots by a given number
		Equation with binomial coefficients
HOLIDAY - 20.01.2021 (Guru Gobind Singh Jayanti)		
SUNDAY - 24.01.2021		
11	January (25) (27-30)	Transform an equation whose roots are algebraic functions of the roots of the given equation
		Transform an equation whose roots are algebraic functions of the roots of the given equation
		Roots of squared differences of a cubic
		Discarte's rule of sign
		Discarte's rule of sign
HOLIDAY - 26.01.2021 (Republic Day)		
SUNDAY - 31.01.2021		

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12	February (01-06)	Cardan's method to solve cubic equation
		Irreducible case of Cardan's method
		numericals based on Cardan;s method
		Biquadratic Equation by Decarte's rule
		Ferrari's method of solving biquadratic equation
		Numericals based on biquadratic equation
SUNDAY - 07.02.2021		
13	February (08-13)	Bilinear form
		Canonical bilinear form
		Matrix of quadratic form
		Rank, Index and signature of a quadratic form
		lagrange's method of diagonalisation
		Factorisation of a quadratic form
SUNDAY - 14.02.2021		
14	February (15 - 20)	Nature of quadratic form
		Revision
		Revision
		Revision
		Revision
		Revision

Weekly Lesson Plan (Odd Semester)

(1st Semester)

Name of the Paper:- Calculus

CLASS : B.Sc I

Name of the Teacher : Dr. Manju Sharma

WEEK	DATE	TOPICS
1	November (16-21)	Derivative of a Function, Basics of Differentiation and Integration
		Successive Differentiation
		Questions based on Successive Differentiation
		Questions based on Successive Differentiation
		Differentiation of Parametric Functions
		Differentiation of Parametric Functions
SUNDAY - 22.11.2020		
2	November (23-28)	Differentiation using Partial Fractions
		Differentiation using Partial Fractions
		Leibnitz's Theorem
		Questions based on Leibnitz's Theorem
		Questions based on Leibnitz's Theorem
		Applications of Leibnitz's Theorem
SUNDAY - 29.11.2020		
HOLIDAY - 30.11.2020 (Guru Nanak Dev Jayanti)		
3	December (1-5)	Problem Discussion
		Taylor's Theorem with Lagrange's form of remainder
		Questions based on Taylor's Theorem

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		Taylor's Theorem with Cauchy's form of remainder Questions based on Taylor's Theorem with Cauchy's form of remainder
SUNDAY - 06.12.2020		
4	December (07-12)	Infinite Series
		Infinite Series
		Infinite Series
		Applications of Taylor's Series
		Applications of Taylor's Series
		Expansion by Differential Equations
SUNDAY - 13.12.2020		
5	December (14-19)	Expansion by Differential Equations
		Asymptotes
		Oblique Asymptotes and Questions based on it
		Oblique Asymptotes of Algebraic Curve
		Oblique Asymptotes of Algebraic Curve
		Oblique Asymptotes of Algebraic Curve
SUNDAY - 20.12.2020		
6	December (21-24) (26)	Intersection of Curve and its Asymptotes
		Intersection of Curve and its Asymptotes
		Polar Asymptotes
		Polar Asymptotes
		Problem Discussion
HOLIDAY - 25.12.2020 (Christmas)		
SUNDAY - 27.12.2020		
7	December (28-31) January (1-2)	Curvature
		Articles related to Curvature
		Questions based on Curvature
		Questions based on Curvature
		Radius of Curvature in Polar Form
		Radius of Curvature in Polar Form
SUNDAY - 03.01.2021		
8	January (4-9)	Curvature at Origin
		Centre of Curvature and Evolute of a Curve
		Centre of Curvature and Evolute of a Curve
		Curve Tracing
		Curve Tracing
		Parametric Equations
SUNDAY - 10.01.2021		
9	January (11-16)	Tracing of Polar Curves
		Tracing of Polar Curves
		Reduction Formulae
		Articles related to Reduction Formulae
		Articles related to Reduction Formulae
		Questions based on Reduction Formulae
SUNDAY - 17.01.2021		
		Questions based on Reduction Formulae
		Questions based on Reduction Formulae

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10	January (18-19) 21-23)	Rectification, Fundamental Theorem about Rectification
		Rectification, Fundamental Theorem about Rectification
		Length of Parametric Curves
HOLIDAY - 20.01.2021 (Guru Gobind Singh Jayanti)		
SUNDAY - 24.01.2021		
11	January (25) (27-30)	Length of Parametric Curves
		Length of Polar Curves
		Intrinsic Equation of a Curve
		Quadrature
		Questions based on Quadrature
HOLIDAY - 26.01.2021 (Republic Day)		
SUNDAY - 31.01.2021		
12	February (01-06)	Area Between Two Curves
		Area Formula for Parametric Curves
		Area Formula for Parametric Curves
		Area Between Two Polar Curves
		Volume of a Solid of Revolution
		Axis of Revolution
SUNDAY - 07.02.2021		
13	February (08-13)	Volume formula for Polar Curves and Parametric Curves
		Area of a Surface of Revolution
		Theorems and questions based on Limits of Functions
		Theorems and questions based on Limits of Functions
		Continuous Functions
		Theorems and questions based on Continuous Functions
SUNDAY - 14.02.2021		
14	February (15 - 20)	Theorems and questions based on Continuous Functions
		Singular Points
		Articles and Questions based on Singular Points
		Articles and Questions based on Singular Points
		Articles and Questions based on Singular Points
		Problem Discussion

Name of Assistant Lecturer : Ms.SILKY
Class : B.SC.I/B.A.I
Semester :I
Subject : MATHS
Paper :BM-113(SOLID GEOMETRY)
From DECEMBER 2020 to February 2021

Week 1	
Week1,Day1 8/12/2020	General equation of second degree.conic sections-classification
Week1,Day2 9/12/2020	To find –centre,lengths and equation of axes of central conic.
Week1,Day3 10/12/2020	To find –foci,directrix of the conic.
Week1,Day4 11/12/2020	To find the axis,latus rectum and tangent at the vertex of the parabola.
Week1,Day5 12/12/2020	To find the equation of director circle.
Week 2	
Week2,Day1 14/12/2020	Tracing of conics.
Week2,Day2 15/12/2020	Tangent at any point to the conic.
Week2,Day3 16/12/2020	Chord of contact.
Week2,Day4 17/12/2020	Pole of line to the conic.
Week2,Day5 18/12/2020	Director circle of conic.
Week2,Day6 19/12/2020	Systems of conics.confocal conics.
Week 3	
Week3,Day1 21/12/2020	Polar equation of conic.
Week3,Day2 22/12/2020	Tangent and normal to the conic.
Week3,Day3 23/12/2020	Sphere:plane section of sphere,sphere through a given circle.
Week3,Day4 24/12/2020	Intersection of two spheres.,coaxal system of spheres.
Week3,Day5 25/12/2020	Christmas Day
Week3,Day6 26/12/2020	Cones:right circular cone,enveloping cone.
Week 4	

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Week4,Day1 28/12/2020	Revision and tests.
Week4,Day2 29/12/2020	Continued revision.
Week4,Day3 30/12/2020	Cylinder:right circular cylinder.
Week4,Day4 31/12/2020	Enveloping cylinder.
Week4,Day5 1/1/2021	Continued with examples and exercises.
Week4,Day6 2/1/2021	Central conicoids:equation of tangent plane.
Week 5	
Week5,Day1 04/01/2021	Equation of director sphere with examples.
Week5,Day2 05/01/2021	Normal to the conicoids.
Week5,Day3 06/01/2021	
Week5,Day4 07/01/2021	Polar plane of a point.
Week5,Day5 08/01/2021	Enveloping cone of a conicoid.
Week5,Day6 09/01/2021	Enveloping cylinder of a conicoid.
Week 6	
Week6,Day1 11/01/2021	Continued conicoid with examples.
Week6,Day2 12/01/2021	Continued conicoids with exercises.
Week6,Day 3 13/01/2021	Revision and tests.
Week6,Day4 14/01/2021	Revision and tests.
Week6,Day5 15/01/2021	Introduction to paraboloids.
Week6,Day6 16/01/2021	Paraboloids:circular section
Week 7	
Week7,Day1 18/01/2021	Discuss paraboloids with examples.
Week7,Day2 19/01/2021	Discuss paraboloids with exercises.
Week7,Day3 20/01/2021	Guru Gobind Singh Jayanti
Week7,Day4 21/01/2021	Plane section of conicoids.
Week7,Day5 22/01/2021	Continued examples.
Week7,Day6 23/01/2021	Continued exercises.
Week 8	
Week8,Day1 25/01/2021	Generating lines and its properties.
Week8,Day2 26/01/2021	Republic Day
Week8,Day3 27/01/2021	Continued properties.
Week8,Day4 28/01/2021	Continued examples of generating lines.
Week8,Day5 29/01/2021	Continued exercises.
Week8,Day6 30/01/2021	Confocal conicoids:introduction to confocal conicoids.
Week 9	

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Week9,Day1 01/02/2021	Discuss results with examples.
Week9,Day2 02/02/2021	Continued examples.
Week9,Day3 03/02/2021	Continued exercises.
Week9,Day4 04/02/2021	Revision and tests.
Week9,Day5 05/02/2021	Revision and tests.
Week9,Day6 06/02/2021	Revision and tests.
Week 10	
Week10,Day1 08/02/2021	Reduction of second degree equations.
Week10,Day2 09/02/2021	Discuss properties and their nature.
Week10,Day3 10/02/2021	Discuss about their standard form.
Week10,Day4 11/02/2021	Revision and tests.
Week10,Day5 12/02/2021	Revision and tests
Week 10,Day 6 13/02/2021	sessional

Weekly Lesson Plan (Odd Semester)

(3rd Semester)

Name of the Paper:- Advanced Calculus

CLASS : B.Sc II

Name of the Teacher : Dr Manju Sharma

WEEK	DATE	TOPICS
1	November (2-3), (5-7)	Introduction
		Continuous Function
		Continuous Function
		Continuous Function
		Continuous Function
SUNDAY - 08.11.2020		
2	November (9-13)	Continuous Function
		Continuous Function
		Continuous Function
		Continuous Function
		Uniform Continuity
HOLIDAY - 14.11.2020 (Diwali)		
SUNDAY - 15.11.2020		
3	November (16-21)	Uniform Continuity
		Uniform Continuity
		The Derivatives and M.V.T.S
		The Derivatives and M.V.T.S
		The Derivatives and M.V.T.S
		The Derivatives and M.V.T.S

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SUNDAY - 22.11.2020		
4	November (23-28)	Cauchys M.V.T.
		Cauchys M.V.T.
		Cauchys M.V.T.
		Cauchys M.V.T.
		Indeterminate form
		Indeterminate form
SUNDAY - 29.11.2020		
HOLIDAY - 30.11.2020 (Guru Nanak Dev Jayanti)		
5	December (1-5)	Indeterminate form
		Indeterminate form
		Indeterminate form
		Indeterminate form
		Indeterminate form
SUNDAY - 06.12.2020		
6	December (07-12)	Indeterminate form
		Limit,Continuity of function of Two varuables
		Limit,Continuity of function of Two varuables
		Limit,Continuity of function of Two varuables
		Limit,Continuity of function of Two varuables
		Limit,Continuity of function of Two varuables
SUNDAY - 13.12.2020		
7	December (14-19)	Limit,Continuity of function of Two varuables
		Limit,Continuity of function of Two varuables
		Partial Differentiation
		Partial Differentiation
		Partial Differentiation
		Partial Differentiation
SUNDAY - 20.12.2020		
8	December (21-24) (26)	Partial Differentiation
		Partial Differentiation
		Partial Differentiation
		Partial Differentiation
		Partial Differentiation
HOLIDAY - 25.12.2020 (Christmas)		
SUNDAY - 27.12.2020		
9	December (28-31) January (1-2)	Total Derivative
		Total Derivative
		Total Derivative
		Total Derivative
		Total Derivative
		Differentiation of Funtion of Two variable
SUNDAY - 03.01.2021		
		Differentiation of Funtion of Two variable

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10	January (4-9)	Differentiation of Funtion of Two variable
		Differentiation of Funtion of Two variable
		Differentiation of Funtion of Two variable
		Differentiation of Funtion of Two variable
		Differentiation of Funtion of Two variable
SUNDAY - 10.01.2021		
11	January (11-16)	Differentiation of Funtion of Two variable
		Differentiation of Funtion of Two variable
		Differentiation of Funtion of Two variable
		Maxima and Minima of Functions
		Maxima and Minima of Functions
SUNDAY - 17.01.2021		
12	January (18-19) (21-23)	Maxima and Minima of Functions
		Maxima and Minima of Functions
		Maxima and Minima of Functions
		Maxima and Minima of Functions
		Curves in space
HOLIDAY - 20.01.2021 (Guru Gobind Singh Jayanti)		
SUNDAY - 24.01.2021		
13	January (25) (27-30)	Curves in space
		Curves in space
		Curves in space
		Curves in space
		Curves in space
HOLIDAY - 26.01.2021 (Republic Day)		
SUNDAY - 31.01.2021		
14	February (01-06)	Curves in space
		Curves in space
		Curves in space
		Circle of Cirvature ans Spherical Curvatures
		Circle of Cirvature ans Spherical Curvatures
		Circle of Cirvature ans Spherical Curvatures
SUNDAY - 07.02.2021		
15	February (08-13)	Circle of Cirvature ans Spherical Curvatures
		Involutes and Evolutes
		Involutes and Evolutes
		Involutes and Evolutes
		Involutes and Evolutes
		Involutes and Evolutes
SUNDAY - 14.02.2021		
16	February (15 - 20)	Concept of a Surface and Envelops
		Concept of a Surface and Envelops
		Concept of a Surface and Envelops
		Revision

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	Revision
	Revision

Weekly Lesson Plan (Odd Semester)

(3rd Semester)

Name of the Paper:- P D E

CLASS : B.Sc II

Name of the Teacher : Dr. Shweta Dhawan

WEEK	DATE	TOPICS
1	November (2-3), (5-7)	Partial differential equation and their formaton
		order and degree
		linear and non linear partial differential equation
		complete and singular solution
SUNDAY - 08.11.2020		
2	November (9-13)	lagrange linear equations
		charpit method
		compatiable system
		example
HOLIDAY - 14.11.2020 (Diwali)		
SUNDAY - 15.11.2020		
3	November (16-21)	jacobi method
		example
		example
		example
SUNDAY - 22.11.2020		
4	November (23-28)	linear partial differential equation of second order
		complementary function and particular integral
		complementary function and particular integral
		solution of homogenous p d e
SUNDAY - 29.11.2020		
HOLIDAY - 30.11.2020 (Guru Nanak Dev Jayanti)		
5	December (1-5)	General method for particular integral
		examples
		examples
SUNDAY - 06.12.2020		

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6	December (07-12)	Method of find P.Integral for others method
		examples
		examples
		class discussion
SUNDAY - 13.12.2020		
7	December (14-19)	Non homogeneous linear partial differential equation
		Finding c.f of reducible non homogenous
		General method for irreducible linear partial
SUNDAY - 20.12.2020		
8	December (21-24) (26)	Non homogeneous linear partial differential equation
		Finding c.f of reducible non homogenous
		General method for irreducible linear partial
HOLIDAY - 25.12.2020 (Christmas)		
SUNDAY - 27.12.2020		
9	December (28-31) January (1-2)	Method of find P.Integral for algrbric function
		Examples
		Examples
		class discussion
SUNDAY - 03.01.2021		
10	January (4-9)	classification of linear partial differential equation
		Reduction to canonical forms
		Hyperbolic equation reduce in canonical forms
		Examples
SUNDAY - 10.01.2021		
11	January (11-16)	Parabolic equation reduce in canonical forms
		elliptic equation reduce in canonical forms
		Examples
		Examples
		class discussion
SUNDAY - 17.01.2021		

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12	January (18-19) (21-23)	Solution of linear hyperbolic equation
		Riemann method for solution of Linear equation
		Examples
HOLIDAY - 20.01.2021 (Guru Gobind Singh Jayanti)		
SUNDAY - 24.01.2021		
13	January (25) (27-30)	Monges method
		Monges method of integration
		Examples
		Examples
HOLIDAY - 26.01.2021 (Republic Day)		
SUNDAY - 31.01.2021		
14	February (01-06)	Characterstic equation and characterstic curves
		Cauchy problems for second order differential equation
		Examples
		Examples
		class discussion
SUNDAY - 07.02.2021		
15	February (08-13)	Method of seperation of variables
		Wave equation
		Heat equation
		Examples
		Examples
SUNDAY - 14.02.2021		
16	February (15 - 20)	Method of seperation of variables laplace equation
		Examples
		Examples
		Revision
		Revision

Name of Assistant Lecturer : Ms. Meenu Kalra

Class : B.Sc. II

Semester : Semester-3

Subject : Mathematics

Paper : Statics(BM-233)

From October 2020 to February 2021

Week 1	
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Week1,Day2 06/10/2020	Forces acting at a point
Week1,Day3 07/10/2020	Resultant and its components,Magnitude and direction of its resultant.
Week1,Day 4 08/10/2020	Resolved parts of a force
Week1,Day5 09/10/2020	Questions
Week1,Day6 10/10/2020	Triangle law of vectors
Week2	
Week2,Day1 12/10/2020	Lamda-mew theorem
Week2,Day2 13/10/2020	Lami's theorem
Week2,Day3 14/10/2020	Questions based on lami's theorem
Week2,Day4 15/10/2020	Conditions of equilibrium of concurrent forces
Week2,Day5 16/10/2020	Revision
Week2,Day6 17/10/2020	Maharaja Agarsain Jayanti
Week 3	Equilibrium of bodies placed on asmooth inclined planes
Week3,Day1 19/10/2020	Parallel forces: Resultant of two like and two unlike parallel forces acting on a rigid body.
Week3,Day2 20/10/2020	Questions
Week3,Day 3 21/10/2020	Questions
Week3,Day4 22/10/2020	Problems
Week3,Day5 23/10/2020	Continued....
Week3,Day6 24/10/2020	Revision
Week 4	
Week4,Day1 26/10/2020	Analogue of lami's theorem
Week4,Day2 27/10/2020	Questions based on analogue of lami's theorem
Week4,Day3 28/10/2020	Continued....
Week4,Day4 29/10/2020	Continued...
Week4,Day5 30/10/2020	Introduction to moments

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Week4,Day6 31/10/2020	Valmiki Jayanti
Week 5	
Week5,Day1 2/11/2020	Definition of moments
Week5,Day2 3/11/2020	Varignon's theorem -when the forces acting at a point
Week5,Day3 4/11/2020	When the forces are parallel
Week5,Day4 5/11/2020	Moment of force about a line
Week5,Day5 6/11/2020	Continued...
Week5,Day6 7/11/2020	Questions based on moments
Week 6	
Week6,Day1 9/11/2020	Introduction to Couples
Week6,Day2 10/11/2020	Moment of a couple,Sign of a moment of a couple
Week6,Day3 11/11/2020	Continued.....
Week6,Day4 12/11/2020	Equilibrium of two couples
Week6,Day5 13/11/2020	Continued...
Week6,Day6 14/11/2020	Diwali
Week 7	
Week7,Day1 16/11/2020	Analytical conditions of equilibrium of coplanar forces: Equilibrium of three forces acting at a point
Week7,Day2 17/11/2020	Questions
Week7,Day3 18/11/2020	Continued....
Week7,Day4 19/11/2020	Trigonometrical theorems
Week7,Day5 20/11/2020	Questions
Week7,Day6 21/11/2020	Questions
Week 8	
Week8,Day1 23/11/2020	Continued....
Week8,Day2 24/11/2020	Revision
Week8,Day3 25/11/2020	Conditions of equilibrium of any no. of coplanar forces

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Week8,Day4 26/11/2020	Questions
Week8,Day5 27/11/2020	Friction:Introduction .
Week8,Day6 28/11/2020	Continued....
Week 9	
Week9,Day1 30/11/2020	Guru Nanak Jayanti
Week9,Day2 1/12/2020	Force of friction,coefficient of friction
Week9,Day3 2/12/2020	Angle and cone of friction
Week9,Day4 3/12/2020	Questions
Week9,Day5 4/12/2020	Continued.....
Week9,Day6 5/12/2020	Problems on equilibrium of rods and ladders
Week 10	
Week10,Day1 30/11/2020	Continued....
Week10,Day2 1/12/2020	Centre of gravity: C.G. of a uniform rods,C.G. of uniform lamina in form a parallelogram
Week10,Day3 2/12/2020	Questions....
Week10,Day4 3/12/2020	C.G. of a thin uniform triangular lamina
Week10,Day5 4/12/2020	Questions
Week10,Day6 5/12/2020	C.G. of right circular solid cone
Week 11	
Week11,Day1 7/12/2020	Questions
Week11,Day2 8/12/2020	Virtual work:
Week11,Day3 9/12/2020	Principle of virtual work
Week11,Day4 10/12/2020	Questions
Week11,Day5 11/12/2020	Forces which may be omitted in forming the equation of virtual work
Week11,Day6 12/12/2020	Questions
Week 12	
Week12,Day1 14/12/2020	Continued

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Week12,Day1 15/12/2020	Forces in three dimensions:
Week12,Day1 16/12/2020	Parrallelopped law of forces
Week12,Day1 17/12/2020	Questions
Week12,Day1 18/12/2020	Axis of couple
Week12,Day1 19/12/2020	Conditions of equilibrium of a rigid body
Week 13	
Week13,Day1 21/12/2020	Questions
Week13,Day2 22/12/2020	Continued
Week13,Day3 23/12/2020	Poinsot's central axis
Week13,Day4 24/12/2020	Questions
Week13,Day5 25/12/2020	Christmas Day
Week13,Day6 26/12/2020	Condition in order that a general system of forces in space reduce to a single force
Week 14	
Week14,Day1 28/12/2020	Questions
Week14,Day2 29/12/2020	Questions
Week14,Day3 30/12/2020	Continued
Week14,Day4 31/12/2020	Equation of central axis
Week14,Day5 1/1/2021	Questions
Week14,Day6 2/1/2021	Questions
Week 15	
Week15,Day1 04/01/2021	Continued
Week15,Day2 05/01/2021	Class test
Week15,Day3 06/01/2021	Introduction to wrenches
Week15,Day4 07/01/2021	Resultant wrench of two given wrenches
Week15,Day5 08/01/2021	Questions
Week15,Day6 09/01/2021	Questions

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Week 16	
Week16,Day1 11/01/2021	Find the locus of the central axis,if pitches are given
Week16,Day2 12/01/2021	Questions
Week16,Day 3 13/01/2021	Questions
Week16,Day4 14/01/2021	Continued
Week16,Day5 15/01/2021	Problems
Week16,Day6 16/01/2021	Cl;ass test
Week 17	
Week17,Day1 18/01/2021	Wrench resolved into two wrenches whose axis intersect at right angles in an infinite no. of ways.
Week17,Day2 19/01/2021	Questions
Week17,Day3 20/01/2021	Guru Gobind Singh Jayanti
Week17,Day4 21/01/2021	Questions
Week17,Day5 22/01/2021	Continued
Week17,Day6 23/01/2021	Revision
Week 18	
Week18,Day1 25/01/2021	Introduction to Null lines and null planes
Week18,Day2 26/01/2021	Republic Day
Week18,Day3 27/01/2021	Questions based on null lines
Week18,Day4 28/01/2021	Questions based on Null planes
Week18,Day5 29/01/2021	Problems
Week18,Day6 30/01/2021	Find null point of the plane for the system of forces
Week 19	
Week19,Day1 01/02/2021	Questions
Week19,Day2 02/02/2021	Questions
Week19,Day3 03/02/2021	Find the condition that straight line may be a null line
Week19,Day4 04/02/2021	Questions
Week19,Day5 05/02/2021	Questiions
Week19,Day6 06/02/2021	Revision
Week 20	
Week20,Day1 08/02/2021	Stable,Unstable and neutral equilibrium
Week20,Day2 09/02/2021	Conditions of stability of equilibrium
Week20,Day3 10/02/2021	Questions
Week20,Day4 11/02/2021	Revision
Week20,Day5 12/02/2021	Revision
Week20,Day6 13/02/2021	Revision

Name of Assistant Lecturer : **Ms. Meenu Kalra**
Class : **B.Sc. III**
Semester : **Semester V**
Subject : **Mathematics**
Paper : **Numerical Analysis**

From October 2020 to February 2021

Week 1	
Week1,Day2 06/10/2020	Introduction to Finite Difference operators.
Week1,Day3 07/10/2020	Properties of finite difference operators.
Week1,Day 4 08/10/2020	Relations based on finite difference operators.
Week1,Day5 09/10/2020	Questions based on it.
Week1,Day6 10/10/2020	Finding the missing terms and effect of errors in a difference tabular values
Week2	
Week2,Day 1 12/10/2020	Questions
Week2,Day2 13/10/2020	Questions
Week2,Day3 14/10/2020	Introduction:Interpolation with equal intervals
Week2,Day4 15/10/2020	Questions based on it
Week2,Day5 16/10/2020	Introduction to Newton's Forward interpolation formula
Week2,Day6 17/10/2020	Maharaja Agarsain Jayanti
Week 3	
Week3,Day1 19/10/2020	Questions
Week3,Day2 20/10/2020	Introduction to Newton's backward interpolation formula
Week3,Day 3 21/10/2020	Questions
Week3,Day4 22/10/2020	Introduction to unequal intervals
Week3,Day5 23/10/2020	Newton's Divided Difference
Week3,Day6 24/10/2020	Questions

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Week 4	
Week4,Day1 26/10/2020	Questions
Week4,Day2 27/10/2020	Revision
Week4,Day3 28/10/2020	Lagrange's interpolation formulae
Week4,Day4 29/10/2020	Questions
Week4,Day5 30/10/2020	Questions
Week4,Day6 31/10/2020	Valmiki Jayanti
Week 5	
Week5,Day1 2/11/2020	Hermite's formulae
Week5,Day2 3/11/2020	Questions
Week5,Day3 4/11/2020	Questions
Week5,Day4 5/11/2020	Introduction to Central difference operator
Week5,Day5 6/11/2020	Questions
Week5,Day6 7/11/2020	Questions
Week 6	
Week6,Day1 9/11/2020	Gauss forward interpolation formula
Week6,Day2 10/11/2020	Questions
Week6,Day3 11/11/2020	Questions
Week6,Day4 12/11/2020	Gauss backward interpolation formula
Week6,Day5 13/11/2020	Questions
Week6,Day6 14/11/2020	Diwali
Week 7	
Week7,Day1 16/11/2020	Questions
Week7,Day2 17/11/2020	Introduction to Sterling formula
Week7,Day3 18/11/2020	Questions based on sterling's formula
Week7,Day4 19/11/2020	Continued..
Week7,Day5 20/11/2020	Introduction to Bessel's formula

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Week7,Day6 21/11/2020	Questions based on Bessel's formula
Week 8	
Week8,Day1 23/11/2020	Continued..
Week8,Day2 24/11/2020	Revision
Week8,Day3 25/11/2020	Practicals: Program tyo demonstrate Newton's Forward interpolation formula
Week8,Day4 26/11/2020	Program to demonstrate Newton's Backward interpolation formula
Week8,Day5 27/11/2020	Programe to demonstrate Lagrange's interpolation formulae
Week8,Day6 28/11/2020	Continued..
Week 9	
Week9,Day1 30/11/2020	Guru Nanak Jayanti
Week9,Day2 1/12/2020	Introduction to Numerical Differentiation
Week9,Day3 2/12/2020	Derivative of a function using interpolation formulae
Week9,Day4 3/12/2020	Questions
Week9,Day5 4/12/2020	Questions
Week9,Day6 5/12/2020	Probability Distribution of random variable.
Week 10	
Week10,Day1 30/11/2020	Questions
Week10,Day2 1/12/2020	Questions
Week10,Day3 2/12/2020	Class test
Week10,Day4 3/12/2020	Binomial Distribution
Week10,Day5 4/12/2020	Questions
Week10,Day6 5/12/2020	Questions
Week 11	
Week11,Day1 7/12/2020	Student problems

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Week11,Day2 8/12/2020	Poisson's distribution
Week11,Day3 9/12/2020	Questions
Week11,Day4 10/12/2020	Questions
Week11,Day5 11/12/2020	Normal distribution
Week11,Day6 12/12/2020	Questions
Week 12	
Week12,Day1 14/12/2020	Questions
Week12,Day1 15/12/2020	Mean variance and fitting
Week12,Day1 16/12/2020	Questions based on it
Week12,Day1 17/12/2020	Introduction to eigen values problems
Week12,Day1 18/12/2020	Eigen values problems and its questions
Week12,Day1 19/12/2020	Power method
Week 13	
Week13,Day1 21/12/2020	Questions
Week13,Day2 22/12/2020	Jacobi's method
Week13,Day3 23/12/2020	Questions
Week13,Day4 24/12/2020	Given's method
Week13,Day5 25/12/2020	Christmas Day
Week13,Day6 26/12/2020	Questions
Week 14	
Week14,Day1 28/12/2020	House holder's method and its questions
Week14,Day2 29/12/2020	QR Method and its questions
Week14,Day3 30/12/2020	Lanczo's method and its questions
Week14,Day4 31/12/2020	Student problems
Week14,Day5 1/1/2021	

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Week14,Day6 2/1/2021	Numerical integration
Week 15	Newton cote's Quardature formula and Questions
Week15,Day1 04/01/2021	Trapezoidal Rule and Questions
Week15,Day2 05/01/2021	Simpson's one-third and three eighth rule.
Week15,Day3 06/01/2021	Questions
Week15,Day4 07/01/2021	Chebyshev formula and its questions
Week15,Day5 08/01/2021	Gauss Quadrature formula
Week15,Day6 09/01/2021	Questions
Week 16	
Week16,Day1 11/01/2021	Numerical solution of Ordinary Differential equations
Week16,Day2 12/01/2021	Single step method:-Picard's method
Week16,Day 3 13/01/2021	Questions
Week16,Day4 14/01/2021	Taylor's method and its questions
Week16,Day5 15/01/2021	Euler's method and its questions
Week16,Day6 16/01/2021	Runga-kutta method and its questions
Week 17	
Week17,Day1 18/01/2021	Questions based on it
Week17,Day2 19/01/2021	Revision
Week17,Day3 20/01/2021	Guru Gobind Singh Jayanti
Week17,Day4 21/01/2021	Introduction to multistep method: Predictor-corrector method
Week17,Day5 22/01/2021	Questions based on it
Week17,Day6 23/01/2021	Taylor's series method
Week 18	
Week18,Day1 25/01/2021	Questions bvised on Taylor's series
Week18,Day2 26/01/2021	Republic Day
Week18,Day3 27/01/2021	Euler's method

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Week18,Day4 28/01/2021	Questions
Week18,Day5 29/01/2021	Runga-Kutta Method
Week18,Day6 30/01/2021	Questions
Week 19	
Week19,Day1 01/02/2021	Multistep method
Week19,Day2 02/02/2021	Predictor-corrector method and questions
Week19,Day3 03/02/2021	Modified Euler's method and questions
Week19,Day4 04/02/2021	Milne's Simpson's method and questions
Week19,Day5 05/02/2021	Practicals: Program to demonstrate Trapezoidal Rule
Week19,Day6 06/02/2021	Program to demonstrate Simpson's one-third and three-eighth rule
Week 20	
Week20,Day2 09/02/2021	Program to demonstrate Euler's method
Week20,Day3 10/02/2021	Program to demonstrate Euler's modified method
Week20,Day4 11/02/2021	Program to demonstrate Runga-Kutta Method
Week20,Day5 12/02/2021	Questions
Week20,Day6 13/02/2021	Questions

Name of Assistant Lecturer : Ms. SILKY

Class : BBA-I

Semester : I

Subject : MATHS

Paper : BBA-104

From DECEMBER 2020 to February 2021

Week 1	
Week1,Day1 8/12/2020	Set theory: representation of sets,Types of sets.
Week1,Day2 9/12/2020	Different operations on a set,venn diagrams.
Week1,Day3 10/12/2020	Practical application of sets.

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Week1,Day4 11/12/2020	Discuss examples and exercises.
Week1,Day5 12/12/2020	Continued.
Week 2	
Week2,Day1 14/12/2020	Logical statements and truth tables:introduction
Week2,Day2 15/12/2020	Truth tables,compound statements.
Week2,Day3 16/12/2020	Conjunction,disjunction,logical equivalence.
Week2,Day4 17/12/2020	Laws of logic,conditional statements.
Week2,Day5 18/12/2020	Quantifiers with examples and exercises.
Week2,Day6 19/12/2020	Continued with results.
Week 3	
Week3,Day1 21/12/2020	Linear and quadratic equations:degree of an equation,roots of an equation.
Week3,Day2 22/12/2020	Simultaneous linear equations,linear laws of demand and supply equations.
Week3,Day3 23/12/2020	Market equilibrium,methods of solving a quadratic equation.
Week3,Day4 24/12/2020	Continued with examples.
Week3,Day5 25/12/2020	Christmas Day
Week3,Day6 26/12/2020	Continued with exercises.
Week 4	
Week4,Day1 28/12/2020	Permutations and combinations :factorial ,permutation,permutation with repetitions.
Week4,Day2 29/12/2020	Circular permutations.
Week4,Day3 30/12/2020	Circular combinations.
Week4,Day4 31/12/2020	Practical problems on permutations.
Week4,Day5 1/1/2021	Practical problems on combinations.
Week4,Day6 2/1/2021	Continued with examples and exercises.
Week 5	
Week5,Day1 04/01/2021	Binomial theorems:binomial theorem for a positive integral index.

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Week5,Day2 05/01/2021	Determination of a particular term from end.
Week5,Day3 06/01/2021	Middle terms in a binomial expansion.
Week5,Day4 07/01/2021	Application of binomial theorem.
Week5,Day5 08/01/2021	Continued with examples.
Week5,Day6 09/01/2021	Continued with exercises.
Week 6	
Week6,Day1 11/01/2021	Limits and continuity;functions,limit of a function,infinite limits,evaluation of limits.
Week6,Day2 12/01/2021	Continuity of a function.
Week6,Day 3 13/01/2021	Algebra of continuous functions.
Week6,Day4 14/01/2021	Continued continuous functions with examples and exercises.
Week6,Day5 15/01/2021	Revision and tests.
Week6,Day6 16/01/2021	Revision and tests.
Week 7	
Week7,Day1 18/01/2021	Differential calculus:derivative of a function.
Week7,Day2 19/01/2021	First principle
Week7,Day3 20/01/2021	Guru Gobind Singh Jayanti
Week7,Day4 21/01/2021	Product rule
Week7,Day5 22/01/2021	Quotient rule
Week7,Day6 23/01/2021	Chain rule
Week 8	
Week8,Day1 25/01/2021	Differentiation of a logarithmic and exponential function.
Week8,Day2 26/01/2021	Republic Day
Week8,Day3 27/01/2021	Derivatives of higher order.
Week8,Day4 28/01/2021	Maxima and minima of a function.
Week8,Day5 29/01/2021	Discuss about examples and exercises.
Week8,Day6 30/01/2021	Continued differentiation.
Week 9	
Week9,Day1 01/02/2021	Matrices:meaning and elementary operations on matrices.
Week9,Day2 02/02/2021	Inverse of a matrix.
Week9,Day3 03/02/2021	Solution to linear equations (based on payroll,wages and commission)using crammer rule
Week9,Day4 04/02/2021	Discuss about examples and exercises.
Week9,Day5 05/02/2021	Solution to linear equations using matrix inversion method.
Week9,Day6 06/02/2021	Continued matrices.
Week 10	
Week10,Day1 08/02/2021	Revisions and tests.
Week10,Day2 09/02/2021	
Week10,Day3 10/02/2021	
Week10,Day4 11/02/2021	
Week10,Day5 12/02/2021	
Week10,Day6 13/02/2021	Sessional:differentiation,matrices,solution to linear equations.

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Weekly Lesson Plan (Odd Semester)

(1st Semester)

Name of the Paper:- Business Mathematics

CLASS : B.COM. - I Year

Name of the Teacher : M s . M e e n u K a l r a

WEEK	DATE	TOPICS
1	November (16-21)	Sequences and types of sequence
		Arithmetic Progression (A.P) and related examples
		Representation of terms in A.P and examples
		Sum of 'n' terms of an A.P and examples
		Arithmetic Means
		Geometric Progressions (G.P)
SUNDAY - 22.11.2020		
2	November (23-28)	Examples
		Sum of first 'n' terms of G.P
		Examples
		Sum of a G.P upto infinity
		Geometric means
		Examples
SUNDAY - 29.11.2020		
HOLIDAY - 30.11.2020 (Guru Nanak Dev Jayanti)		
3	December (1-5)	Applications of A.P and G.P to business Mathematics
		Algebra of Matrices
		examples
		Basic operations on Matrices
		Multiplication of Matrices
SUNDAY - 06.12.2020		
4	December (07-12)	Positive integral power of Matrices
		Transpose of a matrix
		Examples
		Determinants
		Minors and cofactors
		Properties of determinants
SUNDAY - 13.12.2020		
5	December (14-19)	Examples
		Examples
		Examples
		Adjoint of a matrix
		Inverse of a square Matrix
		Examples
SUNDAY - 20.12.2020		

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6	December (21-24) (26)	Examples
		Inverse of a matrix using Elementary operations
		Solution of system of equations by using Cramer's Rule
		Solution of system of linear equations using Matrices
		Applications of matrix in particular problems
HOLIDAY - 25.12.2020 (Christmas)		
SUNDAY - 27.12.2020		
7	December (28-31) January (1-2)	Compound interest
		simple interest and related examples
		General Formula for determination of compound interest
		Examples
		Examples
		Examples
SUNDAY - 03.01.2021		
8	January (4-9)	Examples
		Continuous Compounding of interest
		Problem on effective rate of interest
		Examples
		Differentiation
		Derivative using first principle
SUNDAY - 10.01.2021		
9	January (11-16)	General theorems on Differentiation
		Differentiation of products of two functions
		Differentiation using chain rule method
		Examples
		Differentiation of logarithmic and exponential functions
		Examples
SUNDAY - 17.01.2021		
10	January (18-19) 21-23)	Logarithmic differentiation
		Examples
		Differentiation of parametric functions
		Derivative of higher order
		Examples
HOLIDAY - 20.01.2021 (Guru Gobind Singh Jayanti)		
SUNDAY - 24.01.2021		
11	January (25) (27-30)	Maxima and Minima
		Examples
		Second derivative test for finding local maxima and minima
		Examples
		Absolute Maxima and Absolute Minima
HOLIDAY - 26.01.2021 (Republic Day)		
SUNDAY - 31.01.2021		

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12	February (01-06)	Problems on maxima and minima
		Examples
		Examples
		Optimization of Economic functions
		Examples
		Examples
SUNDAY - 07.02.2021		
13	February (08-13)	Logarithms
		Examples
		Product and quotient formula for logarithms
		Examples
		Two systems of logarithms
		Tables of logarithms
SUNDAY - 14.02.2021		
14	February (15 - 20)	Annuity and related examples
		Present value of an annuity and examples
		Solutions of particular problems related to annuities
		Examples
		Examples
		Problem Discussion

Name of Assistant Lecturer : Ms.SILKY

Class : BCA-I

Semester : I

Subject : MATHS

Paper : MATHEMATICAL FOUNDATIONS-I

From DECEMBER 2020 to February 2021

Week 1	
Week1,Day1 8/12/2020	Sets: introduction.
Week1,Day2 9/12/2020	Subsets and operations on sets,venn diagram of sets.
Week1,Day3 10/12/2020	Power set of a set.Equivalence relation on a set and partition of a set.
Week1,Day4 11/12/2020	Permutation and combinations.
Week1,Day5 12/12/2020	Discuss permutations with examples.
Week 2	

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Week2,Day1 14/12/2020	Discuss combinations with examples.
Week2,Day2 15/12/2020	Continued with examples and exercises.
Week2,Day3 16/12/2020	Continued with examples and exercises.
Week2,Day4 17/12/2020	Partially ordered sets.
Week2,Day5 18/12/2020	Lattices(definition and examples)
Week2,Day6 19/12/2020	Boolean algebra(definition and examples)
Week 3	
Week3,Day1 21/12/2020	Epsilon and delta function of the continuity of a function of a single variable.
Week3,Day2 22/12/2020	Basic properties of limits ,continuous functions and classification of discontinuities.
Week3,Day3 23/12/2020	Continued with examples.
Week3,Day4 24/12/2020	Continued with exercises.
Week3,Day5 25/12/2020	Christmas Day
Week3,Day6 26/12/2020	Derivative of a function.
Week 4	Discuss examples with exercises.
Week4,Day1 28/12/2020	Derivatives of logarithmic,exponential,trignometrical functions.
Week4,Day2 29/12/2020	Derivatives of inverse trigonometrical functions.
Week4,Day3 30/12/2020	Derivatives of hyperbolic functions.
Week4,Day4 31/12/2020	Higher order derivatives.
Week4,Day5 1/1/2021	Formation of differential equations.
Week4,Day6 2/1/2021	Discuss about examples and exercises.
Week 5	
Week5,Day1 04/01/2021	Order and degree of differential equation.
Week5,Day2 05/01/2021	Discuss about examples.
Week5,Day3 06/01/2021	Geometrical approach to the existence of the solution of the differential equation $dy/dx=f(x,y)$
Week5,Day4 07/01/2021	Discuss about examples.
Week5,Day5 08/01/2021	Continued with exercises.

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Week5,Day6 09/01/2021	Continued with exercises.
Week 6	
Week6,Day1 11/01/2021	Test on the topic :differentiation.
Week6,Day2 12/01/2021	Test on the topic:differential equations.
Week6,Day 3 13/01/2021	Assignment given on topic:relation on a set and partion of a set.
Week6,Day4 14/01/2021	Revision and tests.
Week6,Day5 15/01/2021	Revision and tests.
Week6,Day6 16/01/2021	Revision and tests.
Week 7	
Week7,Day1 18/01/2021	Ordinary differential equations.
Week7,Day2 19/01/2021	Differential equations of first order and first degree.
Week7,Day3 20/01/2021	Guru Gobind Singh Jayanti
Week7,Day4 21/01/2021	Discuss about examples and exercises.
Week7,Day5 22/01/2021	Exact differential equations.
Week7,Day6 23/01/2021	Discuss about examples and exercises.
Week 8	
Week8,Day1 25/01/2021	Continued examples.
Week8,Day2 26/01/2021	Republic Day
Week8,Day3 27/01/2021	Linear differential equations of higher order with constant coefficients.
Week8,Day4 28/01/2021	Continued with examples and exercises.
Week8,Day5 29/01/2021	Continued with examples and exercises.
Week8,Day6 30/01/2021	Homogeneous linear differential equations with examples.
Week 9	
Week9,Day1 01/02/2021	Continued with examples.
Week9,Day2 02/02/2021	Linear differential equations reducible to homogeneous differential equations.
Week9,Day3 03/02/2021	Continued examples.
Week9,Day4 04/02/2021	Continued with exercises.
Week9,Day5 05/02/2021	Application of differential equations to geometry.
Week9,Day6 06/02/2021	Discuss examples.
Week 10	
Week10,Day1 08/02/2021	Revision and tests.
Week10,Day2 09/02/2021	
Week10,Day3 10/02/2021	
Week10,Day4 11/02/2021	
Week10,Day5 12/02/2021	
Week10,Day6 13/02/2021	

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Name of Assistant Lecturer : **Ms. Meenu Kalra**
Class : **B.C.A. II**
Semester : **Semester-III**
Subject : **Mathematics**
Paper : **ComputerOreinted Numerical Methods**
From October 2020 to February 2021

Week 1	
Week1,Day2 06/10/2020	Iterative Method
Week1,Day3 07/10/2020	Bisection Method
Week1,Day 4 08/10/2020	False Position
Week1,Day5 09/10/2020	Questions
Week1,Day6 10/10/2020	Newton-Raphson Method
Week2	
Week2,Day1 12/10/2020	Questions
Week2,Day2 13/10/2020	Iteration method
Week2,Day3 14/10/2020	Discussion of convergence
Week2,Day4 15/10/2020	Questions
Week2,Day5 16/10/2020	Questions
Week2,Day6 17/10/2020	Maharaja Agarsain Jayanti
Week 3	
Week3,Day1 19/10/2020	Class Test
Week3,Day2 20/10/2020	Bairstow's method
Week3,Day 3 21/10/2020	Continued...
Week3,Day4 22/10/2020	Continued....
Week3,Day5 23/10/2020	Computer Arithmetic: Floating-point representation of numbers
Week3,Day6 24/10/2020	Arithmetic operations with normalized floating point numbers
Week 4	

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Week4,Day1 26/10/2020	Consequences of floating point numbers
Week4,Day2 27/10/2020	Significant figures
Week4,Day3 28/10/2020	Error in number representation inherent error, truncation error
Week4,Day4 29/10/2020	Absolute error
Week4,Day5 30/10/2020	Relative error
Week4,Day6 31/10/2020	Valmiki Jayanti
Week 5	
Week5,Day1 2/11/2020	Percentage error
Week5,Day2 3/11/2020	Round off error
Week5,Day3 4/11/2020	Questions
Week5,Day4 5/11/2020	Questions
Week5,Day5 6/11/2020	Continued
Week5,Day6 7/11/2020	Gauss-Elimination methods
Week 6	
Week6,Day1 9/11/2020	Questions
Week6,Day2 10/11/2020	Continued
Week6,Day3 11/11/2020	Pivoting
Week6,Day4 12/11/2020	Ill-conditioned equations
Week6,Day5 13/11/2020	Refinement of solution, Gauss-Seidal iterative method
Week6,Day6 14/11/2020	Diwali
Week 7	
Week7,Day1 16/11/2020	Questions
Week7,Day2 17/11/2020	Questions
Week7,Day3 18/11/2020	Continued
Week7,Day4 19/11/2020	Gauss Elimination methods, Pivoting
Week7,Day5 20/11/2020	Ill-Conditioned
Week7,Day6	Questions

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21/11/2020	
Week 8	
Week8,Day1 23/11/2020	Euler's method
Week8, 24/11/2020	Euler modified method
Week8,Day3 25/11/2020	Taylor-series method
Week8,Day4 26/11/2020	Questions
Week8,Day5 27/11/2020	RungaKutta Methods
Week8,Day6 28/11/2020	Questions
Week 9	
Week9,Day1 30/11/2020	Guru Nanak Jayanti
Week9,Day2 1/12/2020	Predictor-Corrector Methods
Week9,Day3 2/12/2020	Questions
Week9,Day4 3/12/2020	Interpolation and Approximations
Week9,Day5 4/12/2020	Polynomial interpolation
Week9,Day6 5/12/2020	Newton,Lagranges,Difference tables
Week 10	
Week10,Day1 30/11/2020	Questions
Week10,Day2 1/12/2020	Approximation of functions by Taylor Series
Week10,Day3 2/12/2020	Questions
Week10,Day4 3/12/2020	Chebshvpolynomial:Firstkind,Second kind and their relations
Week10,Day5 4/12/2020	Orthogonal properties
Week10,Day6 5/12/2020	Questions
Week 11	
Week11,Day1 7/12/2020	Numerical Differentiation and integration
Week11,Day2 8/12/2020	Questions
Week11,Day3 9/12/2020	Questions
Week11,Day4 10/12/2020	Differential Equations

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Week11,Day5 11/12/2020	Questions
Week11,Day6 12/12/2020	Questions
Week 12	
Week12,Day1 14/12/2020	Numerical Differentiation and integration
Week12,Day1 15/12/2020	Differentiation formulae
Week12,Day1 16/12/2020	Based on polynomial fit,pitfalls in differentiation
Week12,Day1 17/12/2020	Questions
Week12,Day1 18/12/2020	Questions
Week12,Day1 19/12/2020	Questions
Week 13	
Week13,Day1 21/12/2020	Questions
Week13,Day2 22/12/2020	Revision
Week13,Day3 23/12/2020	Class Test
Week13,Day4 24/12/2020	Student problems
Week13,Day5 25/12/2020	Christmas Day
Week13,Day6 26/12/2020	Trapezoidal Rule
Week 14	
Week14,Day1 28/12/2020	Questions
Week14,Day2 29/12/2020	Questions
Week14,Day3 30/12/2020	Questions
Week14,Day4 31/12/2020	Questions
Week14,Day5 1/1/2021	Student Problems
Week14,Day6 2/1/2021	Revision
Week 15	

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Week15,Day1 04/01/2021	Revision
Week15,Day2 05/01/2021	Simpson Rules
Week15,Day3 06/01/2021	Questions
Week15,Day4 07/01/2021	Questions
Week15,Day5 08/01/2021	Questions
Week15,Day6 09/01/2021	Student Problems
Week 16	
Week16,Day1 11/01/2021	Revision
Week16,Day2 12/01/2021	Gaussian Quardature
Week16,Day 3 13/01/2021	Questions
Week16,Day4 14/01/2021	Questions
Week16,Day5 15/01/2021	Student Problems
Week16,Day6 16/01/2021	Continued...
Week 17	
Week17,Day1 18/01/2021	Continued
Week17,Day2 19/01/2021	Revision
Week17,Day3 20/01/2021	Guru Gobind Singh Jayanti
Week17,Day4 21/01/2021	Revision
Week17,Day5 22/01/2021	Class Test
Week17,Day6 23/01/2021	Trapezoidal Rule
Week 18	
Week18,Day1 25/01/2021	Questions
Week18,Day2 26/01/2021	Republic Day
Week18,Day3 27/01/2021	Questions
Week18,Day4 28/01/2021	Questions
Week18,Day5 29/01/2021	Revision
Week18,Day6 30/01/2021	Class Test
Week 19	
Week19,Day1 01/02/2021	Simpsons Rules
Week19,Day2 02/02/2021	Questions
Week19,Day3 03/02/2021	Questions
Week19,Day4 04/02/2021	Student Problems
Week19,Day5 05/02/2021	Gaussian Quardature
Week19,Day6 06/02/2021	Questions
Week 20	
Week20,Day1 08/02/2021	REVISION
Week20,Day2 09/02/2021	
Week20,Day3 10/02/2021	
Week20,Day4 11/02/2021	
Week20,Day5 12/02/2021	
Week20,Day6 13/02/2021	

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