Name	of Teacher:	Ms. Salaj Class: B.Sc. 2nd Year	
The second secon	n: 2023-24 Ode	Wis. Sala Fountions	
Week	Date/Month	Topic	
1	July 21-29	Partial differential equations: Formation,	
2	July 31-Aug 5	order and degree Complete solution, singular solution,	
3	7-12		
4	14-19	Charpit's general method of solution. Companior system	
5	21-26		
6	Aug 28-Sept.	Linear and non-linear homogenious and non-rollingentes	
7	4-9	Partial differential equation with variable co-efficients	
8	11-16	- t t t - for attance and Danicinal interpretation	
9	18-23	The state of the s	
10	25-30	Classification of linear partial differential equations of second order, Hyperbolic, parabolic and elliptic types,	
11	Oct. 2-7	Davisian Droblems and test	
12	9-14	Reduction of second order linear partial differential equations to	
13	16-21	Solution of linear hyperbolic equations, Monge's incured to partial	
14	23-28	Cauchy's problem for second order partial differential equations,	
15	Oct. 30-Nov. 4	Characteristic equations and characteristic curves of second bruer	
16	6-9	Method of separation of variables: Solution of Laplace's equation,	
17	17-25	Wave equation (one and two dimensions),	
18	Nov. 27- Dec.	Diffusion (Heat) equation (one and two dimension) in Cartesian Co- ordinate system.	
19	4-6	Revision, Problems and test	

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		Lesson Plan	The state of the s
Name	of Teacher:	Ms. Salaj	Class: B.Sc. 3rd Year
	n: 2023-24 Od	L Campatan Subject:	Real Analysis
Week	Date/Month	semester Subjects	Topic
1	July 21-29	Riemann integral,	
2	July 31-Aug 5	A sections	
3	7-12	The Fundamental theorem of integral calculus. Mean value theorems of integral calculus.	
4	14-19	Improper integrals and their convergence,	
5	21-26	Comparison tests, Abel's and Dirichlet's tests, Frullani's integral,	
6	Aug 28-Sept.	Integral as a function of a parameter.	
7	4-9	Continuity, Differentiability and integrability of an integral of a function of a parameter.	
8	11-16		
9	18-23	Definition and examples of metric spaces, neighborhoods, man	
10	25-30	interior points, open and closed sets, closure and interior,	
11	Oct. 2-7	boundary points, subspace of a metric space, equivalent metrics,	
12	9-14	Cauchy sequences, completeness,	
13	16-21	Cantor's intersection theorem, Baire's category theorem,	
14	23-28	contraction Principle	
15	Oct. 30-Nov. 4	Continuous functions, uniform continuity,	
16	6-9	compactness for metric spaces, sequential compactness,	
17	17-25	Bolzano-Weierstrass property, total boundedness, tinte	
18	Nov. 27- Dec.	continuity in relation with compactness, connectedness, components, continuity in relation with connectedness.	
19	4-6	Revision, Problems and Test	

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Name	of Teacher:	Ms. Safaj	Class: B.Sc. 1st Year	
Session	n: 2023-24 Od	d Semester Subject: Algebra		
Week	Date/Month	Topic		
1	July 24-29	Symmetric, Skew symmetric, Hermitian and skew Hermitian		
2	July 31-Aug 5	Elementary Operations on matrices. Rank of a matrices. Inverse of a		
3	7-12	matrix. Linear dependence and independence of rows and columns of matrices. Row rank and column rank of a matrix.		
4	14-19	Eigenvalues, eigenvectors and the characteristic equation of a		
5	21-26	Conden Hamilton the same and its use in finding the myerse of a same		
6	Aug 28-Sept.	Applications of matrices to a system of linear (both homogeneous)		
7	4-9	Theorems on consistency of a system of linear equations.		
8	11-16	Unitary and Orthogonal Matrices,		
9	18-23	Dilinear and Overdestin forms		
10	25-30	Relations between the roots and coefficients of general polynomia		
11	Oct. 2-7	Relations between the roots and coefficients of general polynomial equation in one variable.		
12	9-14	Solutions of polynomial equations having conditions on roots.		
13	16-21	Common roots and multiple roots.		
14	23-28	Transformation of equations		
15	Oct. 30-Nov. 4	Nature of the roots of an equation Descarte's rule of signs.		
16	6-9	Solutions of cubic equations (Cardon's method).		
17	17-25	Biquadratic equations and their solutions.		
18	Nov. 27- Dec. 6	Revision, Problems and Test		

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Sassia	of Teacher:	Ms. Salaj	Class: B.Sc. 2nd Year
Week	1: 2023-24 Ode	Scmester Subject: Statics	
Treek	Date/Month	Topic	
	July 21-29	Composition and resolution of forces.	
2	July 31-Aug 5	Composition and resolution of forces.	
3	7-12	Parallel forces.	
4	14-19	Moments	
_ 5	21-26	Couples	
6	Aug 28-Sept.	Analytical conditions of equilibrium of coplanar forces	
_ 7	4-9	Problems, revision and test	
8	11-16	Friction	
9	18-23	Friction	
10	25-30	Centre of Gravity	
11	Oct. 2-7	Centre of Gravity	
12	9-14	Virtual work.	
13	16-21	Forces in three dimensions	
14	23-28	Poinsots central axis	
15	Oct. 30-Nov. 4	Wrenches ·	
16	6-9	Null lines and planes	
17	17-25	Stable and unstable equilibrium.	
18	Nov. 27- Dec.	Problems, revision and test	
19	4-6	Problems, revision and test	

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N'	The same of the sa	Lesson Plan	
Section	of Teacher:	Ms. Salaj	Class: B.Sc. 1st Year
Week	n: 2023-24 Ode	Semester Subject: Calculu	A CONTRACTOR OF THE PARTY OF TH
L	BaterMonth	Topic	
	July 24-29	Definition of the limit of a function. Basic properties of limits	
2	July 31-Aug 5	Continuous functions and classification of discontinuities.	
_ 3	7-12		
4	14-19	Differentiability, Successive differentiation	
5	21-26	Leibnitz theorem. Maclaurin and Taylor series expansions	
6	Aug 28-Sept.	Asymptotes in Cartesian coordinates	
	2	Intersection of curve and its asymptotes, asymptotes in polar coordinates.	
7	4-9	Curvature, radius of curvature for Cartesian curves	
8	11-16	polar	
9	18-23	Centre of curvature. Circle of curvature. Chord of curvature, evolutes.	
10	25-30	Tangential polar equations.	
11	Oct. 2-7	Centre of curvature. Circle of curvature. Chord of curvature, evolutes. Tests for concavity and convexity. Points of inflexion. Multiple points. Cusps, nodes & conjugate points.	
12	9-14	Tracing of curves in Cartesian, parametric and polar co-ordinates	
13	16-21	Reduction formulae, Rectification, intrinsic equations of curve.	
14	23-28	Quardrature area. Area bounded by closed curves	
15	Oct. 30-Nov. 4	Volumes and surfaces of solids of revolution	
16	6-9	Theorems of Pappu's and Guilden	
17	17-25	Revision and test	
18	Nov. 27- Dec. 6	Revision and test	

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