MATHEMATICS DEPARTMENT

SESSION-(2021-22) WEEKLY TEACHING PLAN Class-B.Sc/B.A. (sem 2)

Dr. Dalvinder Singh, Prof. Kirti & Prof. Jagjit Singh

2 Integral Calculus Partial differential equation of First order but of any degree	Weeks	PAPER-1 Calculus	PAPER-2 PARTIAL DIFFERENTIAL EQUATIONS	PAPER-3 ANALYTIC GEOMETRY
First order but of any degree 3 Integral Calculus Partial differential equation of First order but of any degree 4 Vector Algebra Partial differential equation of second order and Higher Degree 5 Vector Algebra Partial differential equation of second order and Higher Degree 6 Vector Algebra Homogenous Partial differential equation with constant coefficients Phomogenous Partial differential equation with constant coefficients 8 Vector Integration Non-Homogenous Partial differential equation with constant coefficients 9 Gauss theorem Non-Homogenous Partial differential equation with constant coefficients 10 Green theorem Heat, wave and Laplace equations Stoke's theorem Pheat, wave and Laplace equations Surface area and surface integrals Two dimension Laplace equations The cylinder equations The cylinder equations The cylinder equations The cylinder	1	Integral Calculus	Partial differential equation of	The General equation of Second Degree
First order but of any degree First order but of any degree Partial differential equation of second order and Higher Degree Vector Algebra Partial differential equation of second order and Higher Degree Partial differential equation of second order and Higher Degree Wector Algebra Homogenous Partial differential equation with constant coefficients Wector Integration Non-Homogenous Partial differential equation with constant coefficients Mon-Homogenous Partial differential equation with constant coefficients Mon-Homogenous Partial differential equation with constant coefficients Gauss theorem Non-Homogenous Partial differential equation with constant coefficients Heat, wave and Laplace equations Sphere The cone equations Sphere The cone equations Sphere The cone equations The cylinder equations Two dimension Laplace equations The cylinder equations MST MST	2	Integral Calculus		Polar equation of A Conic
Second order and Higher Degree Second order and Higher Degree	3	Integral Calculus		Polar equation of A Conic
second order and Higher Degree 6	4	Vector Algebra		Oblique Axes
equation with constant coefficients 7 Vector Integration Homogenous Partial differential equation with constant coefficients 8 Vector Integration Non-Homogenous Partial differential equation with constant coefficients 9 Gauss theorem Non-Homogenous Partial differential equation with constant coefficients 10 Green theorem Heat, wave and Laplace equations 11 Stoke's theorem Heat, wave and Laplace equations 12 Surface area and surface integrals Two dimension Laplace equations 13 MST MST MST MST MST MST MST MST M	5	Vector Algebra		Oblique Axes
equation with constant coefficients 8	6	Vector Algebra	equation with constant	Sphere
differential equation with constant coefficients 9 Gauss theorem Non-Homogenous Partial differential equation with constant coefficients 1 0 Green theorem Heat, wave and Laplace equations 11 Stoke's theorem Heat, wave and Laplace equations 12 Surface area and surface integrals Two dimension Laplace equations 13 MST MST MST I differential equation with constant coefficients The cone equations The cylinder equations MST MST	7	Vector Integration	equation with constant	Sphere
differential equation with constant coefficients 1 0 Green theorem Heat, wave and Laplace equations 11 Stoke's theorem Heat, wave and Laplace equations 12 Surface area and surface integrals Two dimension Laplace equations 13 MST MST MST differential equation with constant to entire the constant to the constant	8 .	Vector Integration	differential equation with	Sphere
equations 11 Stoke's theorem Heat, wave and Laplace equations 12 Surface area and surface integrals	9	Gauss theorem	differential equation with	The cone
equations 12 Surface area and surface Two dimension Laplace equations 13 MST MST MST MST 14 equations The cylinder equations 15 MST MST MST	10	Green theorem		The cone
integrals equations 13 MST MST MST MST	11	Stoke's theorem	equations	The cylinder
	12		equations	The cylinder
14 Revision Revision Revision	13	MST	MST	MST
	14	Revision	Revision	Revision

Dr. Dalvinder Singh Head of Department

Jates Su. Principal Govt. College Ropar

MATHEMATICS DEPARTMENT

SESSION (2021-2022) WEEKLY TEACHING PLAN Class-B.Sc /B.A. (Sem 1)

Prof. Dalvinder Singh, Prof. Kirti, Prof. Jagjit Singh

Weeks	PAPER-1 CALCULAS	PAPER-3 DIFFERENTIAL EQUATIONS	PAPER-2 Linear Algebra
1	Limit and Continuity of a Function	Order & degree of differential equation	Rank of a matrix
2	Limit and Continuity of a Function	Differential equation of first order and first degree	Linear dependence and Independence of vectors
3	Differentiability of Functions	Exact differential equation	Linear Equations
4	Successive differentiation	Linear equation with constant coefficients	Eigen Values and Cayley-Hamilton Theorem
5	Successive differentiation	Linear equation with variable coefficients	Eigen Values and Cayley-Hamilton Theorem
6	Concavity and convexity, Asymptotes	Differential Operator Method	Vector Spaces
7	Curve Tracing	Solution of differential equation in series	Vector Spaces
8	Curve Tracing	Bessel's equations, Functions and their Properties	Basis and dimension
9	Limit and Continuity of a Functions of Two Variables	Legendre's equations, Functions and their Properties	Linear Transformation
10	Partial Derivatives,	Legendre's equations, Functions and their Properties	Linear Transformation
11.	Maxima and Minima	Hyper Geometric equations, Functions and their Properties	Linear Transformation and Matrices
12.	Taylor's Theorem	Hyper Geometric equations, Functions and their Properties	Linear Transformation and Matrices
13.	MST	MST	MST
14	Revision	Revision	Dalander Singh Dr. Dalvinder Singh

Head of Department

Jaten Cm.
Principal
Govt. College
Ropar