

Name: **Dr. Vandana Gupta**
 Class and Section: **B.A. /B.Sc VIth Sem**
 Subject: **Linear Algebra/ Dynamics**

Week	Date	Topic
1	1-Jan-18	Describe Vector space & its properties, Example of vector space
	2-Jan-18	Subspace, Linear Sum of Subspace & Subspace Generated by Set
	3-Jan-18	Vector space & its properties, Example
	4-Jan-18	Subspace, Linear Sum of Subspace & Subspace Generated by Set
	5-Jan-18	Guru Gobind Singh Jayanati
	6-Jan-18	Direct Sum of Subspace & Disadjoint Subspace
	7-Jan-18	Sunday
2	8-Jan-18	Linear Combination of Vectors L.D &L.I, Related Theorems
	9-Jan-18	-do-
	10-Jan-18	-do-
	11-Jan-18	-do-
	12-Jan-18	Spanning Set & Linear span
	13-Jan-18	-do-
	14-Jan-18	Sunday
3	15-Jan-18	Basis of a Vector Space , Ordered Basis Existence theorem.
	16-Jan-18	-do-
	17-Jan-18	-do-
	18-Jan-18	-do-
	19-Jan-18	-do-
	20-Jan-18	-do-
	21-Jan-18	Sunday
4	22-Jan-18	Basant Panchami
	23-Jan-18	Dimension of a vector space , Extension theorems
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	-do-
	26-Jan-18	Republic Day
	27-Jan-18	-do-
	28-Jan-18	Sunday
5	29-Jan-18	Dimension of linear & Direct Sum
	30-Jan-18	-do-
	31-Jan-18	Guru Ravidas Jayanti

Week	Date	Topic
1	1-Feb-18	Complementary Subspace and examples, Quotient Space, Quotient Space
	2-Feb-18	-do-
	3-Feb-18	-do-
	4-Feb-18	Sunday
2	5-Feb-18	Describe linear transformation or V.S Homomorphism
	6-Feb-18	-do-
	7-Feb-18	Null Space
	8-Feb-18	Range space
	9-Feb-18	-do-
	10-Feb-18	Maharishi Dayanand Saraswati Jayanti

	11-Feb-18	Sunday
3	12-Feb-18	Singular & Non Singular Transformation, Invertible L.T.
	13-Feb-18	Mahashivratri
	14-Feb-18	-do-
	15-Feb-18	Matrix of L.T. , coordinate Vector
	16-Feb-18	Matrix of Identity & Zero Transformation
	17-Feb-18	Change of Basis & Related theorems
	18-Feb-18	Sunday
4	19-Feb-18	Dual Space, Double dual of Vector Space
	20-Feb-18	Eigen values & Eigen Vector of L.T.
	21-Feb-18	Matrix of Identity & Zero Transformation
	22-Feb-18	Similar Matrix , Diagonalisation, Minimal Polynomial
	23-Feb-18	-do-
	24-Feb-18	-do-
	25-Feb-18	Sunday
5	26-Feb-18	Inner Product Space
	27-Feb-18	-do-
	28-Feb-18	University Holidays

Week	Date	Topic
1	1-Mar-18	University Holidays
	2-Mar-18	University Holidays
	3-Mar-18	University Holidays
	4-Mar-18	University Holidays/Sunday
2	5-Mar-18	Cauchy Schwarz Inequality, Triangle Inequality
	6-Mar-18	Normed linear Space , Orthogonal Vector & Complement, Orthonormal Set
	7-Mar-18	-do-
	8-Mar-18	-do-
	9-Mar-18	Sessional
	10-Mar-18	-do-
	11-Mar-18	Sunday
3	12-Mar-18	Gram Schmidt orthogonalization Process
	13-Mar-18	Bessel's Inquality, Adjoint Operator & Self Adjoint Operator
	14-Mar-18	-do-
	15-Mar-18	Velocity and acceleration along radial, transverse, tangential and normal directions.
	16-Mar-18	-do-
	17-Mar-18	-do-
	18-Mar-18	Sunday
4	19-Mar-18	-do-
	20-Mar-18	-do-

	21-Mar-18	Relative velocity and acceleration.
	22-Mar-18	-do-
	23-Mar-18	Shahidi diwas of Bhagat Singh
	24-Mar-18	-do-
	25-Mar-18	Sunday
5	26-Mar-18	Simple harmonic motion.
	27-Mar-18	-do-
	28-Mar-18	-do-
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	-do-
	31-Mar-18	-do-

Week	Date	Topic
	1-Apr-18	Sunday
1	2-Apr-18	Logarithm of a complex quantity
	3-Apr-18	-do-
	4-Apr-18	Elastic strings
	5-Apr-18	-do-
	6-Apr-18	-do-
	7-Apr-18	-do-
	8-Apr-18	Sunday
2	9-Apr-18	Mass, Momentum and Force
	10-Apr-18	-do-
	11-Apr-18	-do-
	12-Apr-18	-do-
	13-Apr-18	-do-
	14-Apr-18	Dr. Ambedkar Jayanti and Vaisakhi
	15-Apr-18	Sunday
3	16-Apr-18	Newton's laws of motion
	17-Apr-18	-do-
	18-Apr-18	Parshuram Jayanti
	19-Apr-18	Work, Power and Energy
	20-Apr-18	-do-
	21-Apr-18	Definitions of Conservative forces and Impulsive forces
	22-Apr-18	Sunday
4	23-Apr-18	-do-
	24-Apr-18	-do-
		Revision
	25-Apr-18	
	26-Apr-18	Revision
	27-Apr-18	Revision
	28-Apr-18	Revision