

Name of Institute: Singh Ram Memorial College, Sultanpur

Name of Asst./Associate Professor: Ms Bhauma

Class and Section: BAIII - 6Sem

Subject: Linear algebra

Week	Date	Topics
1st Week	1-Jan-18	Vector spaces
	2-Jan-18	Sub spaces
	3-Jan-18	Sum and direct sum of sub-spaces
	4-Jan-18	Linear span, linearly independent
	5-Jan-18	Linearly dependent sub sets of a vector space
	6-Jan-18	Problem
	7-Jan-18	Sunday
2nd Week	8-Jan-18	Finitely generated vector space
	9-Jan-18	Existence theorem for basis of a finitely generated V.S.
	10-Jan-18	Theorems
	11-Jan-18	Problem
	12-Jan-18	Test
	13-Jan-18	Finite dimensional vector space
	14-Jan-18	Sunday
3rd Week	15-Jan-18	Examples and theorems
	16-Jan-18	Invariance of the no of elements of bases
	17-Jan-18	Dimension
	18-Jan-18	Theorems on Dimension
	19-Jan-18	Theorems
	20-Jan-18	Problems
	21-Jan-18	Sunday
4th Week	22-Jan-18	Vasant Panchami
	23-Jan-18	Test
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Quotient space
	26-Jan-18	Republic Day
	27-Jan-18	Theorems
	28-Jan-18	Sunday
5th week	29-Jan-18	Dimension and Theorems of quotient space
	30-Jan-18	Problem
	31-Jan-18	Guru Ravidas Birthday

Lesson Plan for the Semester W.E.F. Jan 2018 to Apr 2018

Name of Institute: Singh Ram Memorial College, Sultanpur

Lesson Plan for the Semester W.E.F. Jan 2018 to Apr 2018

Name of Institute: Singh Ram Memorial College, Sultanpur

Name of Asst./Associate Professor: M.B. Bhatnagar

Class and Section: B.A.III 6 SEM

Subject: Linear algebra

Week	Date	Topics
1st Week	1-Feb-18	Homomorphism
	2-Feb-18	Isomorphism
	3-Feb-18	Theorems on Homomorphism and Isomorphism
	4-Feb-18	Sunday
2nd Week	5-Feb-18	Problem
	6-Feb-18	Linear Transformation
	7-Feb-18	Theorems on Linear Transformation
	8-Feb-18	Linear forms on vector space.
	9-Feb-18	vector space of all the linear transformation.
	10-Feb-18	Maharashi Dayanand Saraswati Jayanti
3rd Week	11-Feb-18	Sunday
	12-Feb-18	Test
	13-Feb-18	Maha Shivratri
	14-Feb-18	Dual Space
	15-Feb-18	Bidual Space
	16-Feb-18	Annihilator of Subspaces of finite dimensional V.S.
	17-Feb-18	Theorems.
	18-Feb-18	Sunday
4th Week	19-Feb-18	Test
	20-Feb-18	Null Space
	21-Feb-18	Range space of a linear transformation
	22-Feb-18	Theorems
	23-Feb-18	Problem
	24-Feb-18	Test
	25-Feb-18	Sunday
5th Week	26-Feb-18	Rank and nullity
	27-Feb-18	Theorem.
	28-Feb-18	Holi Holidays

Lesson Plan for the Semester W.E.F. Jan 2018 to Apr 2018

Singh Ram Memorial College Sultanpur
MS Bhalwa

Class and Section: B.A III 6SEM
Subject: Linear Algebra

Week	Date	Topics
1st Week	1-Apr-18	Sunday
	2-Apr-18	Inner Product space
	3-Apr-18	Problems related to Inner Product space.
	4-Apr-18	Cauchy Schwarz inequality
	5-Apr-18	Question related to Cauchy Schwarz inequality
	6-Apr-18	Orthogonal vectors
	7-Apr-18	Theorems
	8-Apr-18	Sunday
2nd Week	9-Apr-18	Orthogonal complement
	10-Apr-18	Orthogonal sets and Basis
	11-Apr-18	Theorems
	12-Apr-18	Problems
	13-Apr-18	Test
	14-Apr-18	Dr. Ambedkar Jayanti/ Vaishakhi
	15-Apr-18	Sunday
3rd Week	16-Apr-18	Bessel's inequality for finite dimensional V.S.
	17-Apr-18	Gram-Schmidt orthogonalisation Process.
	18-Apr-18	Parshuram Jayanti
	19-Apr-18	Theorems
	20-Apr-18	Problem
	21-Apr-18	Test
	22-Apr-18	Sunday
4th Week	23-Apr-18	Orthogonalisation process
	24-Apr-18	Adjoint of a linear Transformation
	25-Apr-18	Properties of adjoint of linear transformation.
	26-Apr-18	Problem.
	27-Apr-18	unitary linear transformations
	28-Apr-18	Test
	29-Apr-18	Sunday
30-Apr-18		

Singh Ram Memorial College Sultanpur

Name of Asst./Associate Professor : *ms Bhawna*

Class and Section: *B.A. III 6 Sem*

Subject: *Linear Algebra*

Week	Date	Topics
1st Week	1-Mar-18	Holi Holidays
	2-Mar-18	Holi Holidays
	3-Mar-18	Holi Holidays
	4-Mar-18	Sunday
2nd Week	5-Mar-18	<i>Algebra of Linear Transformation</i>
	6-Mar-18	
	7-Mar-18	<i>Minimal polynomial of a linear Transformation</i>
	8-Mar-18	
	9-Mar-18	<i>Problem</i>
	10-Mar-18	<i>Test</i>
11-Mar-18	Sunday	
3rd Week	12-Mar-18	<i>Singular and Non Singular Linear Transformation</i>
	13-Mar-18	
	14-Mar-18	<i>Theorems</i>
	15-Mar-18	<i>Problems</i>
	16-Mar-18	<i>Test</i>
	17-Mar-18	<i>Matrix of a linear Transformation</i>
	18-Mar-18	
4th Week	19-Mar-18	<i>Theorems</i>
	20-Mar-18	<i>Theorems</i>
	21-Mar-18	<i>Problems</i>
	22-Mar-18	<i>Test</i>
	23-Mar-18	Shaheed Diwas of Bhagat Singh, Rajguru, Sukhdev
	24-Mar-18	<i>Change of Basis</i>
25-Mar-18	Sunday/ Ram Nawmi	
5th Week	26-Mar-18	<i>Eigen value, and Eigen vectors</i>
	27-Mar-18	
	28-Mar-18	<i>Theorems</i>
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	<i>Problem</i>
31-Mar-18	<i>Test</i>	

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Name of Asst./Associate Professor :