

Name of Institute: Singh Ram Memorial College, Sultanpur  
 Name of Asst./Associate Professor: Sanju  
 Class and Section: B.A. II (4th Sem)  
 Subject: Sequence and Series

Week	Date	Topics
1st Week	1-Jan-18	Boundedness of the set of real numbers
	2-Jan-18	least upper bound greatest lower bound of a set
	3-Jan-18	neighbourhood, Interior point isolated point
	4-Jan-18	limit points, open sets, closed set
	5-Jan-18	interior of a set closure of a set
	6-Jan-18	Problems
	7-Jan-18	Sunday
2nd Week	8-Jan-18	interior of a set closure of a set in real no.
	9-Jan-18	Balzano-Weierstrass Theorem.
	10-Jan-18	Open covers.
	11-Jan-18	Compact Sets and Heine Borel Property
	12-Jan-18	Problems
	13-Jan-18	Test
	14-Jan-18	Sunday
3rd Week	15-Jan-18	Sequence - Real sequence & their Convergent sequence.
	16-Jan-18	Theorems on limit of sequence.
	17-Jan-18	Bounded and monotone sequence.
	18-Jan-18	Cauchy's sequence
	19-Jan-18	Cauchy's general principle of convergent.
	20-Jan-18	Subsequence, subsequential limits.
	21-Jan-18	Sunday
4th Week	22-Jan-18	Vasant Panchami
	23-Jan-18	Problems
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Problems
	26-Jan-18	Republic Day
	27-Jan-18	Class Test
	28-Jan-18	Sunday
5th week	29-Jan-18	Introduction to Infinite series.
	30-Jan-18	Problems
	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: <sup>Saryu</sup>

Class and Section: B.A. II (4<sup>th</sup> Sem)

Subject: Sequence and Series

Week	Date	Topics
1st Week	1-Feb-18	Convergence and divergence of Infinite sequence.
	2-Feb-18	Comparison Test of positive terms Infinite sequence.
	3-Feb-18	Problems.
	4-Feb-18	Sunday
2nd Week	5-Feb-18	Example of Convergence
	6-Feb-18	Example of Comparison Test.
	7-Feb-18	Test
	8-Feb-18	Cauchy's general Principle of convergence sequence.
	9-Feb-18	En of Cauchy's of general Principle Method.
	10-Feb-18	Maharash Dayanand Saraswati Dayanti
11-Feb-18	Sunday	
3rd Week	12-Feb-18	Convergence of geometric series.
	13-Feb-18	Maha Shivratri
	14-Feb-18	divergence of geometric series.
	15-Feb-18	Hyper Harmonic series or p series.
	16-Feb-18	Problems.
	17-Feb-18	Test.
	18-Feb-18	Sunday
4th Week	19-Feb-18	Infinite series. II Alambert's ratios.
	20-Feb-18	Problems.
	21-Feb-18	Raate's Test.
	22-Feb-18	Problems.
	23-Feb-18	Logarithmic test.
	24-Feb-18	Problems.
	25-Feb-18	Sunday
5th Week	26-Feb-18	De Morgan and Bertrand's Test.
	27-Feb-18	Problems.
	28-Feb-18	Holi Holidays

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

Singh Ram Memorial College, Sultanpur

Name of Asst./Associate Professor: Sanjay  
 Class and Section: B.A. II (4th Sem)  
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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	Cauchy's $N^{\text{th}}$ root test
	6-Mar-18	Problems
	7-Mar-18	Test
	8-Mar-18	Cauchy's Test
	9-Mar-18	Problems
	10-Mar-18	Test
3rd Week	11-Mar-18	Sunday
	12-Mar-18	Cauchy's integral test
	13-Mar-18	Problems
	14-Mar-18	Test
	15-Mar-18	Cauchy's condensation test
	16-Mar-18	Problems
	17-Mar-18	Test
4th Week	18-Mar-18	Sunday
	19-Mar-18	Introduction to alternating series
	20-Mar-18	Leibnitz's test for the convergence of Alt. Series
	21-Mar-18	Problems
	22-Mar-18	absolute and conditional convergence
	23-Mar-18	Shaheed Diwas of Bhagat Singh, Rajguru, Sukhdev
	24-Mar-18	Arbitrary series: Abel's Lemma
	25-Mar-18	Sunday/Ram Navmi
5th Week	26-Mar-18	Problems
	27-Mar-18	Anil's test
	28-Mar-18	Problems
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Dirichlet's test
	31-Mar-18	Problems

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:

Singh Ram Memorial College, Saltapur  
Sajju

Class and Section: B.A. II (4<sup>th</sup> Sem)  
Subject: B. Sequence and Series

Week	Date	Topics
	1-Apr-18	Sunday
	2-Apr-18	Insertion and Removal of parenthesis.
	3-Apr-18	Rearrangement of terms in a series
	4-Apr-18	Dirichlet theorems.
	5-Apr-18	Problems.
	6-Apr-18	Riemann's Re-arrangement theorem.
	7-Apr-18	Problems
1st Week	8-Apr-18	Sunday
	9-Apr-18	Pringsheim's theorem.
	10-Apr-18	Multiplication of series.
	11-Apr-18	Cauchy's product of series
	12-Apr-18	Problems
	13-Apr-18	Test.
	14-Apr-18	Dr. Ambedkar Jayanti/ Vaishakhi
2nd Week	15-Apr-18	Sunday
	16-Apr-18	Convergence of infinite products.
	17-Apr-18	Problems.
	18-Apr-18	Parshuram Jayanti
	19-Apr-18	Test.
	20-Apr-18	Problems of all test.
	21-Apr-18	Test.
3rd Week	22-Apr-18	Sunday
	23-Apr-18	Revision
	24-Apr-18	Revision
	25-Apr-18	Revision
	26-Apr-18	class test
	27-Apr-18	Revision
	28-Apr-18	Revision.
	29-Apr-18	Sunday
4th Week	30-Apr-18	Test.