

## Lesson Plan

Name of the Assistant/ Associate Professor..... KALASH.....

Class and Section:..... M.Sc. I SEM.....

Subject:..... Mathematical Statistics.....

Week	Date	Topics
1	1-Jan-18	Definition of Probability - Classical, Statistical & axiomatic approach
	2-Jan-18	Addition theorem & their numericals
	3-Jan-18	Boole's Inequality
	4-Jan-18	Conditional probability and their numerical
	5-Jan-18	Holiday
	6-Jan-18	Multiplication theorem & their numerical
	7-Jan-18	Sunday
2	8-Jan-18	Independent events
	9-Jan-18	Baye's theorem and its application
	10-Jan-18	Test
	11-Jan-18	Sample space, Random variable,
	12-Jan-18	Discrete & Continuous Random variable
	13-Jan-18	Probability mass density function, Distribution function
	14-Jan-18	Sunday
3	15-Jan-18	Revision
	16-Jan-18	Joint distribution
	17-Jan-18	Marginal and Conditional distribution
	18-Jan-18	Mathematical Expectation and its properties
	19-Jan-18	Variance and their numerical
	20-Jan-18	Covariance and their numerical
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Test
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Moment generating function → Definitions
	26-Jan-18	Republic Day
	27-Jan-18	Properties of Moment generating function
	28-Jan-18	Sunday
5	29-Jan-18	Chebychev's Inequality
	30-Jan-18	Test
	31-Jan-18	Holiday

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Week	Date	Topics
1	1-Feb-18	Binomial Distribution
	2-Feb-18	Properties of binomial distribution
	3-Feb-18	Poisson Distribution
	4-Feb-18	Sunday
2	5-Feb-18	Properties of Poisson distribution
	6-Feb-18	Geometric Distribution
	7-Feb-18	Properties of Geometric Distribution
	8-Feb-18	Uniform Distribution
	9-Feb-18	Properties of uniform distribution
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	Revision
	13-Feb-18	Maha Shivratri
	14-Feb-18	Exponential distribution
	15-Feb-18	Properties of exponential distribution
	16-Feb-18	Normal distribution
	17-Feb-18	Properties of exponential distribution
	18-Feb-18	Sunday
	4	19-Feb-18
20-Feb-18		Properties of Gamma distribution
21-Feb-18		Numerical related to Binomial distribution
22-Feb-18		Numerical related to Poisson distribution
23-Feb-18		Numerical related to Geometric distribution
24-Feb-18		Numerical related to exponential distribution
25-Feb-18		Sunday
5		26-Feb-18
	27-Feb-18	Revision
	28-Feb-18	Holiday

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Subject:.....Mathematical Statistics.....

Week	Date	Topics
1	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	Holiday
	4-Mar-18	Sunday
2	5-Mar-18	Test of all distribution
	6-Mar-18	Central limit theorem
	7-Mar-18	do
	8-Mar-18	Weak law of large numbers
	9-Mar-18	Revision
	10-Mar-18	Parameter and statistic
	11-Mar-18	Sunday
3	12-Mar-18	Sampling distribution
	13-Mar-18	Standard error of estimate
	14-Mar-18	Point and interval estimation
	15-Mar-18	Test
	16-Mar-18	Unbiasedness
	17-Mar-18	Efficiency
	18-Mar-18	Sunday
4	19-Mar-18	Null and alternative Hypothesis
	20-Mar-18	Problem related null and alternative Hypothesis
	21-Mar-18	Revision
	22-Mar-18	Simple and Composite Hypothesis
	23-Mar-18	Shaheedi Diwas of Bhagat Singh, Rajguru & Sukhdev
	24-Mar-18	Problem related simple and Composite Hypothesis
	25-Mar-18	Sunday/ Ram Navami
5	26-Mar-18	Critical Region
	27-Mar-18	Level of Significance
	28-Mar-18	One tailed test
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Two tailed test
	31-Mar-18	Problem related one tailed test & two tailed test.

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Class and Section:..... M.Sc I.....

Subject:..... Mathematical Statistics.....

Week	Date	Topics
1	1-Apr-18	Sunday
	2-Apr-18	Two type of Errors
	3-Apr-18	Large and small sample testing
	4-Apr-18	Test
	5-Apr-18	T test
	6-Apr-18	Problem related T test
	7-Apr-18	Chi-square
	8-Apr-18	Sunday
2	9-Apr-18	Problem related to chi-square.
	10-Apr-18	Do
	11-Apr-18	f-test
	12-Apr-18	Problem related to f-test
	13-Apr-18	Do
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
3	16-Apr-18	Revision
	17-Apr-18	Revision
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	Presentation of Probability, Addition theorem
	20-Apr-18	Presentation of Condition probability, Multiplication theorem
	21-Apr-18	Presentation of Baye's theorem & its application
	22-Apr-18	Sunday
4	23-Apr-18	Revision
	24-Apr-18	Revision
	25-Apr-18	Revision
	26-Apr-18	Revision
	27-Apr-18	Revision
	28-Apr-18	Revision