

Lesson Plan

Name of the Assistant Professor: Mrs.RENU

Class and Section: B.A./B.Sc. IVth Sem

Subject: Mathematics (SPECIAL FUNCTIONS AND INTEGRAL TRANSFORMS)

Week	Date	Topics
1	1-Jan-18	Introduction and Recapitulation of the basic Formulae
	2-Jan-18	Series solution of differential equation
	3-Jan-18	Power series method
	4-Jan-18	do
	5-Jan-18	Defination of beta fuction
	6-Jan-18	Example of beta fuction
	7-Jan-18	Sunday
2	8-Jan-18	Gamma functions
	9-Jan-18	Example of gamma functions
	10-Jan-18	Bessel function and its solution
	11-Jan-18	Do
	12-Jan-18	Do
	13-Jan-18	Bessel functions and their properties
	14-Jan-18	Sunday
3	15-Jan-18	Covergence
	16-Jan-18	Do
	17-Jan-18	Do
	18-Jan-18	Recurrence relation and generating functions
	19-Jan-18	Do
	20-Jan-18	Do
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	do
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Revision

	26-Jan-18	Republic Day
	27-Jan-18	Orthogonality of Bessel function
	28-Jan-18	Sunday
5	29-Jan-18	Do
	30-Jan-18	Do
	31-Jan-18	Do

Week	Date	Topic
1	1-Feb-18	Legendra and Hermit differential equation and their solution
	2-Feb-18	Do
	3-Feb-18	do
	4-Feb-18	Sunday
2	5-Feb-18	do
	6-Feb-18	do
	7-Feb-18	do
	8-Feb-18	revison
	9-Feb-18	revison
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	Test(legendra differential
	13-Feb-18	MahaShivratri
	14-Feb-18	Lgendra andHermit function and their properties
	15-Feb-18	do
	16-Feb-18	do
	17-Feb-18	do
	18-Feb-18	Sunday

4	19-Feb-18	Recurrence relation generating functions
	20-Feb-18	do
	21-Feb-18	Orthogonality of Legendre and Hermite polynomials
	22-Feb-18	do
	23-Feb-18	Rodrigues Formula for Legendre and Hermite Polynomials
	24-Feb-18	do
	25-Feb-18	Sunday
5	26-Feb-18	Laplace integral Representation of Legendre polynomial
	27-Feb-18	do
	28-Feb-18	do
Week	Date	Topics
1	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	Vacation
	4-Mar-18	Sunday
2	5-Mar-18	Laplace transforms
	6-Mar-18	Existence theorem for Laplace transform
	7-Mar-18	do
	8-Mar-18	do
	9-Mar-18	Linearity of the Laplace transforms
	10-Mar-18	do
	11-Mar-18	Sunday
3	12-Mar-18	Shifting theorems
	13-Mar-18	do
	14-Mar-18	Laplace transforms of derivatives and integral
	15-Mar-18	do
	16-Mar-18	do
	17-Mar-18	Differentiation and integration of Laplace transforms
	18-Mar-18	Sunday

4	19-Mar-18	do
	20-Mar-18	do
	21-Mar-18	Convolution theorem
	22-Mar-18	do
	23-Mar-18	Shaheedi Diwas of Bhagat Singh, Rajguru & Sukhdev
	24-Mar-18	Inverse Laplace transforms
	25-Mar-18	Sunday/ Ram Navami
5	26-Mar-18	do
	27-Mar-18	Inverse Laplace transforms of derivatives and integral
	28-Mar-18	do
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	do
	31-Mar-18	do
Week	Date	Topics
1	1-Apr-18	Sunday
	2-Apr-18	Solution of ordinary differential equations using Laplace transform
	3-Apr-18	do
	4-Apr-18	do
	5-Apr-18	Introduction Fourier transforms
	6-Apr-18	Linearity property
	7-Apr-18	do
	8-Apr-18	Sunday
2	9-Apr-18	Shifting
	10-Apr-18	Modulation
	11-Apr-18	Convolution theorem
	12-Apr-18	do
	13-Apr-18	do
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi

	15-Apr-18	Sunday
3	16-Apr-18	Fourier transforms of derivatives
	17-Apr-18	do
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	Relation between Fourier trans and Laplace transforms
	20-Apr-18	do
	21-Apr-18	do
	22-Apr-18	Sunday
	4	23-Apr-18
24-Apr-18		do
25-Apr-18		Solution of differential equation using Fourier transforms
26-Apr-18		do
27-Apr-18		do
28-Apr-18		do