

DEPARTMENT OF MATHEMATICS

Annual Teaching Plan

Academic year 2015-16

B.Sc. II, Paper MAT302, MAT 402, MAT 303, MAT 403

Teachers name: Dr. Sadikali

Month	Periods allotted	Topics to be covered MAT 302, 402	Topics to be covered MAT 303, 403
June	05	Introduction to integral transform	
July	25	Theory of Laplace Transform Theory of Inverse Laplace Transform	Forces acting on a partcle
August	5+20	Applications Of Laplace to Ordinary Differential Equations.	Forces acting on a particle,
September	25		Equilibrium of Forces acting on a particle, Forces acting on a rigid body,
October	10		centre of gravity
December	25	Kinematics and dynamics of a particle in two dimensions Kinetics of particles,	
January	25	Kinetics of particles(continues) Motion of Projectile. Motion in Resisting medium	
February	05+15	centre of gravity.	Partial Differential Equations. Of order one
March	10		Non-linear Partial Differential Equations of order one.

H.O.D.

Dr. Sadik Ali

DEPARTMENT OF MATHEMATICS

Annual Teaching Plan

Academic year 2015-16

B.Sc. II, Paper MAT 301, 401, 302, 402

Teachers name: Mohd. Mukhtar.

Month	Periods allotted	Topics to be covered 301 and 401	Topics to be covered 302 and 402
June	05	Introduction to course and Prerequisite	
July	25	Theory of divisibility in integer/ prime and their Distribution	
August	25	Theory of congruence's, Fermat's theorem, Number theory	
September	10+15	Euler's Generalization of Fermat's theorem	Beta , Gamma functions, Fourier transforms.
October	10		Inverse Fourier transform.
December	25	Solution of Algebraic and transcendental equation Interpolation	
January	25	curve fitting and Matrices and linear systems of equations	
February	10+15	Numerical solution of ODE	Linear differential equation of order one(Lagranges equations)
March	10		Non-Linear partial Differential Equations of order one.

H.O.D.

Dr. Sadik Ali