

DEPARTMENT OF MATHEMATICS

Annual Teaching Plan

Academic year 2015-16

B.Sc. III, Paper MAT501, MAT 601, MAT 502, MAT 602

Teachers name: Dr. Sadikali

Month	Periods allotted	Topics to be covered MAT 501, 601	Topics to be covered MAT 502, 602
June	06	Introduction, Sequences of real numbers,	
July	25	Theorems and examples on sequences. Definition and examples of series. Series with negative terms, Alternating series (Theorems and Examples). Conditional and Absolute convergence.	
August	25		Groups and subgroups, Counting principle, normal subgroups, quotient groups , another counting principle
September	25		Homomorphism, automorphism, Ring theory
October	05		Polynomial Ring
December	25	Calculus	
January	05+20	Fourier series	Vector spaces
February	20		Modules
March	05		Revision and discussion

H.O.D.

Dr. Sadik Ali

DEPARTMENT OF MATHEMATICS

Annual Teaching Plan

Academic year 2015-16

B.Sc. III, Paper MAT 501, 601, 504, 604

Teachers name: Mohd. Mukhtar.

Month	Periods allotted	Topics to be covered MAT 504, 604,	Topics to be covered MAT 501, 601
June	06	Complex numbers	
July	25	Complex numbers and Linear differential equations of first order	
August	25	second order differential equations	
September	25		Functions and Jacobians
October	10		Jacobians(continue)
December	25	Linear equations with variable Coefficient	
January	25	Linear equations with regular singular points	
February	20		Limits in metrics spaces, continues functions, connectedness
March	10		Compectness

H.O.D.

Dr. Sadik Ali