Course Number and Name
BMA301 - MATHEMATICS - III

Course Objectives

- To equip students with adequate knowledge of Mathematics.

- To formulate problems in Engineering, and solve them analytically

Prerequisites	Co-requisites
BMA101-Mathematics -I & BMA201-Mathematics II	Nil

Course Outcomes (COs)

COI - Solve PDE of second and higher order with constant coefficients.

CO2 - Expand given functions by using the concept of Fourier series

CO3 - Solve many of the Engineering models of Heat equations and Wave equations which are

PDEs with boundary conditions

CO4 - Solve many problems in Automobile, Medicine, Electronic Engineering which are

Differential equations of linear or non-linear

CO5 - Solve differential equations by Laplace transforms

CO6 - To understand about Fourier Transform which is necessary for signal processing.

Student Outcomes (SOs) from Criterion 3 covered by this Course

COs/SOs	a	b	c	d	e	f	g	h	i	j	k
CO1	H					M				L	
CO2	M		H		H			L	H		M
CO3	M		M	H					M		
CO4	M						M		M	H	
CO5		L	M	H	H				H		
CO6				H	H	H			H		