**Second Year-** Mechanical Engineering (Power)
Math. & Computers (A): Code No. RFA 231, 2 + 2 Hours, 30 + 70 = 100, (1$^{st}$ Term)

(i)Fourier series
(ii)Laplace transformations and inverse Laplace of functions, Laplace transformations of derivatives and integrals, solution of differential equations
(iii)Special functions: gamma function, beta function, error function
(iv)Partial differential equations
(v)Series solution of ordinary differential equations
(vi)Functions of complex variable