

Teachin Plan
August-December 2016

B.A Prog Ist Semester
Calculus

Name: Virender K. Mehra

Month	Topics to be Covered	Books	Remarks
July 20th july till 31 july	Limit and continuity Types of dicontinuity Differentiability of functions	H.Anton, I.Bivens & S. Davis Indian Author S.C Arora & Ramesh Kumar	
August	Successive differentiation Leibnitz's therom, partial differential, Euler's therom on homogeneous functions	H.Anton, I.Bivens & S. Davis Indian Author S.C Arora & Ramesh Kumar	Test I
September	Tangents & normals Curvature, Asymptotes, Sigular points, Tracing of curve, Rolle's therom Maxima and Minima Indeterminate forms	H.Anton, I.Bivens & S. Davis Indian Author S.C Arora & Ramesh Kumar, R.G Bartle & D.R Sherbert introduction to Real Analysis	Test II, Test III
October	Mean Value theorems Taylor's Theorem with Lagrange's & Cauchy forms of remainder Taylor's service Machlaurn's Sereies of sin x, cos x, e ^x , Log (1+x), (1+x) ^m	R.G Bartle & D.R Sherbert introduction to Real Analysis	Assignment
November	Revision		