



"Education for Knowledge, Science, and Culture"

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

**Vivekanand College, Kolhapur
(Autonomous)**



KOLHAPUR (AUTONOMOUS)

Department Of Mathematics

Course Outcomes (COs)

B.Sc. Part I Mathematics (Introduced in the year 2018)

Semester I

Differential Calculus (DSC-1003A)

CO No.	On completion of the course, student will be able to:
CO1	Understand higher order derivative and its application
CO2	Identify a asymptote of function and sketch the graph of the function
CO3	Understand the consequences of various mean value theorems on differentiable functions
CO4	Calculate the limit and examine the continuity of a function at a point
CO5	Employ theorem on properties of continuity in various examples
CO6	Understand the geometrical interpretation of Mean Value Theorem

Semester II

Differential Equations (DSC -1003B)

CO No.	On completion of the course, student will be able to:
CO1	Learn various techniques of getting exact solutions of solvable first order differential equations and linear differential equations of higher order
CO2	Calculate P. I. and C.F. of different types of differential equations
CO3	Learn technique of solving Clairaut's equations
CO4	Solve homogeneous and non - homogeneous partial differential equation
CO5	Solve differential equation of degree more than one
CO6	Classify the partial differential equations



(S. P. Patankar)
HEAD

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