# **Calculus Syllabus**

## Limits

Concept of a Limit, Evaluating Limits (L?Hopital?s Rule).

#### **Differentiation**

Derivatives of Functions, Chain Rule, Applications of Derivatives.

## Integration

Indefinite and Definite Integrals, Methods, Applications.

## **Differential Equations**

Basics of First-Order Differential Equations, Real-Life Applications.