# \*Disclaimer: We are not responsible for your low marks , but based on the previous year papers these are some important resources & tips for Math.

**UNIT - 3**

**DIFFERENTIATION:**

Derivative, Derivatives of Sum, Differences, Product & quotients, Chain Rule, Derivatives of Composite Functions, Logarithmic Differentiation, Rolle’s Theorem, Mean Value Theorem, Expansion of Functions (Maclaurin’s& Taylor’s), Indeterminate Forms, L’ Hospitals Rule, Maxima & Minima, Asymptote, Successive Differentiation &Liebnitz Theorem.

This is bit difficult unit .so, you’d need to practice a lot , as most of the topics are new ,but there are many topics which are new ,so to make a strong grip on the above topics ,follow the videos lectures given in the playlist.

**For youtube playlist**- [**click here**](https://www.youtube.com/playlist?list=PLQOUa3XMo5fL1UaBUN7OsWt2daZkn7RWL)

**If you want to learn expansion of function in detail ,follow this playlist-** [**click here**](https://www.youtube.com/watch?v=1jYDAgv_fS4&list=PLq6b-r81cS_wnhgGXBsyjSBUrIyuxF40x)

After watching these video lectures practice**solved examples and exercise question from R .CHADA (semester 1)**for better understanding. Solved example of R .CHADA (semester 1) is must.

Please check that all the topics from the syllabus is all the topics is covered or not and for the left topics strictly follow **R .CHADA (semester 1)**

**Also solve previous year questions from AKASH book.**