**APPLICATION OF DERIVATIVES (AOD)**

**VIDEO LECTURE :**

L1- [Applications of Derivatives L-1 | Derivative as Rate Measure | JEE Mains | Class 12 Maths | Vedantu](https://www.youtube.com/watch?v=1UlGCFupbWw&t=3157s)

L2- [Applications of Derivatives L-2 | Tangent and Normals | JEE Mains | Class 12 Maths | Vedantu JEE](https://www.youtube.com/watch?v=EvFEux9MdeI&t=2795s)

L3- [Applications of Derivatives L-3 | Angle of Intersection & Mean Value Theorem | JEE Mains | Class 12](https://www.youtube.com/watch?v=SLcRE79H1rY&list=PLCtUyOrCJbxyRVIqPFaEKENfKO-WXb-AK&index=3)

L4- [Applications of Derivatives - L4 | Increasing & Decreasing Functions | JEE Mains | Class 12 Maths](https://www.youtube.com/watch?v=jnGL1SsSZnM&list=PLCtUyOrCJbxyRVIqPFaEKENfKO-WXb-AK&index=4)

L5- [Applications of Derivatives L-5 | Maxima & Minima | JEE Mains 2020 | Class 12 Maths | Vedantu JEE](https://www.youtube.com/watch?v=UJ76uNU9BdQ&list=PLCtUyOrCJbxyRVIqPFaEKENfKO-WXb-AK&index=5)

L6- [Applications of Derivatives L-6 | Maxima and Minima Problem Solving | JEE Mains | Class 12 Maths](https://www.youtube.com/watch?v=lg7gZVSwr5M&list=PLCtUyOrCJbxyRVIqPFaEKENfKO-WXb-AK&index=6)

**LECTURE NOTES :**

L1-<https://vmkt.s3-ap-southeast-1.amazonaws.com/app_youtube_sprints/AOD+1+(Derivative+as+Rate+Measure+%2B+Approximations+and+Errors).pdf>

L2-<https://vmkt.s3-ap-southeast-1.amazonaws.com/app_youtube_sprints/AOD+-+2+(Tangents+and+Normals).pdf>

L3-<https://vmkt.s3-ap-southeast-1.amazonaws.com/app_youtube_sprints/AOD+-+3+(Angle+of+Intersection+and+Mean+Value+Theorem).pdf>

L4-<https://vmkt.s3-ap-southeast-1.amazonaws.com/app_youtube_sprints/AOD-4_Increasing+%26+Decreasing+Functions+%3B+.pdf>

L5-<https://vmkt.s3-ap-southeast-1.amazonaws.com/app_youtube_sprints/AOD-5_Maxima+%26+Minima.pdf>

L6-<https://vmkt.s3-ap-southeast-1.amazonaws.com/app_youtube_sprints/AOD-6_Maxima+%26+Minima+Problem+Solving.pdf>

**MIND MAP :**

<https://www.esaral.com/mind-maps-for-application-of-derivative-class-12-jee-main-advanced/>

**PYQs FOR PRACTICE :**

JEE (M)

<https://questions.examside.com/past-years/jee/jee-main/mathematics/application-of-derivatives/>

JEE(A) : <https://questions.examside.com/past-years/jee/jee-advanced/mathematics/application-of-derivatives/>