

CLASS – XII
MATHEMATICS

CHAPTER	NCERT TEXT BOOK LINK	CURRICULUM PARTITION	ASSIGNMENT
<p style="text-align: center;">Ch 5 Continuity And Differentiability Of The Functions</p>	<p style="text-align: center;">http://ncert.nic.in/textbook/textbook.htm?lemh1=5-6</p>	<p>Continuity and differentiability, derivative of composite functions, chain rule, derivative of inverse trigonometric functions, derivative of implicit functions. Concept of exponential and logarithmic functions.</p> <p>Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second order derivatives. Rolle's and Lagrange's Mean Value Theorems (without proof) and their geometric interpretation</p>	<p style="text-align: center;">Ex 5.1 to 5.8 and misc 5 from NCERT text book and other extra important questions for board exams preparation</p>
<p style="text-align: center;">Ch 6 Applications Of Derivatives</p>	<p style="text-align: center;">http://ncert.nic.in/textbook/textbook.htm?lemh1=6-6</p>	<p>Applications of derivatives: rate of change of bodies, increasing/decreasing functions, tangents and normals, use of derivatives in approximation, maxima and minima (first derivative test motivated geometrically and second derivative test given as a provable tool).</p> <p>Simple problems (that illustrate basic principles and understanding of the subject as well as real-life situations)</p>	<p style="text-align: center;">Ex 6.1 to 6.6 and misc 6 from NCERT text book and extra imp questions</p>

**Ch 7
Integration**

<http://ncert.nic.in/textbook/textbook.htm?lemh2=1-7>

Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple integrals of the special types and problems based on them.

Definite integrals as a limit of a sum, Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals.

Ex 7.1 to 7.11 and
misc 7 from NCERT
text book imp
question for board
exams