

Centum Preparation 100 Days plan class 12 Maths

Q.No.	DAY - 53
328	Example 7.57 Determine the intervals of concavity of the curve $f(x) = (x-1)^3 \cdot (x-5), x \in \mathbb{R}$ and, points of inflection if any.
329	Example 7.58 Determine the intervals of concavity of the curve $y = 3 + \sin x$
330	Example 7.60 Find the local extrema of the function $f(x) = 4x^6 - 6x^4$
331	EXERCISE 7.7 1. Find intervals of concavity and points of inflexion for the following functions: (ii) $f(x) = \sin x + \cos x, 0 < x < 2\pi$ (iii) $f(x) = \frac{1}{2}(e^x - e^{-x})$
332	3. For the function $f(x) = 4x^3 + 3x^2 - 6x + 1$ find the intervals of monotonicity, local extrema, intervals of concavity and points of inflection.