

Centum Preparation 100 Days plan class 12 Maths

Q.N o.	DAY - 20
112	<p>EXERCISE 3.6</p> <p>1. Discuss the maximum possible number of positive and negative roots of the polynomial equation $9x^9 - 4x^8 + 4x^7 - 3x^6 + 2x^5 + x^3 + 7x^2 + 7x + 2 = 0$.</p>
113	<p>2. Discuss the maximum possible number of positive and negative zeros of the polynomials $x^2 - 5x + 6$ and $x^2 - 5x + 16$. Also draw rough sketch of the graphs.</p>
114	<p>3. Show that the equation $x^9 - 5x^5 + 4x^4 + 2x^2 + 1 = 0$ has atleast 6 imaginary solutions.</p>
115	<p>4. Determine the number of positive and negative roots of the equation $x^9 - 5x^8 - 14x^7 = 0$.</p>
116	<p>5. Find the exact number of real zeros and imaginary of the polynomial $x^9 + 9x^7 + 7x^5 + 5x^3 + 3x$.</p>
End of chapter 3	