FORMATIVE ASSESSMENT - I (A.P) 9B

CCE MODEL

SYLLABUS
1. Real Numbers
2. Polynomials and Factorisation
5. Co-ordinate Geometry

MATHEMATICS Class - 9

Time : 45 Min. **Marks : 20**

	Project Work	Creative Problems 5 to 10 with solutions	Written works	Slip Test	Total
Allotted Marks	10	10	10	20	50
Scored Marks					

I. Solve the following : 4 × 1 = 4 M

1. Kruthi said $\sqrt{2}$ can be written as $\frac{\sqrt{2}}{1}$ which is in $\frac{p}{q}$ form. So $\sqrt{2}$ is a rational number. Do you agree with her argument ?
2. Explain, with an example how irrational numbers differ from rational numbers? Give four examples each.
3. The quadratic polynomial has two zeroes. Can you tell the number of zeroes a polynomial of degree '*n*' will have?
4. Find the remainder when $x^3 - px^2 + 6x - p$ is divided by $x - p$.

II. Solve the following : 3 × 2 = 6 M

5. Find five rational numbers between 1 and 2.
6. If the polynomials $x^3 + ax^2 + 5$ and $x^3 - 2x^2 + a$, are divided by $(x + 2)$ leave the same remainder, find the value of a.
7. Plot the following ordered pairs on a graph sheet.What do you observe?
   $(1,0),(3,0),(-2,0),(-5,0),(0,0),(5,0),(-6,0)$