G.D.GOENKA PUBLIC SCHOOL

Class: 9th **Subject: Mathematics**

P0lynomials **Multiple choice questions**

Date of issue: 21 April 2021 **Date of submission: 26 Apr.**

1. $\sqrt{2}$ is a polynomial of degree

(a) 2 (b) 0 (c) 1 (d) 1/2

2. Degree of zero polynomial is

(a) 0 (b) any natural no. (c) 1 (d) not defined

3. Zero of the polynomial p(x) = ax + 1is

(a) 1 (b) –a (c) 0 (d) -1/a

4. A polynomial whose zeroes are $\sqrt{2}$ and $-\sqrt{2}$ is

(a) x^2+2 (b) x-2 (c) x^2 -2 (d) x +2

5. If x+1 is a factor of the polynomial $2x^2$ + kx, then the value of k is

(a) -2 (b) -3 (c) 4 (d) 2

6. The remainder when $p(x) = x^3 +1$ is divided by x+1 is

(a) -6 (b) 0 (c) 1 (d) 6