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(Affiliated to CBSE up to +2 Level)

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MCQs Chapter 2 Polynomials

1. If one zero of the quadratic polynomial $x^2 + 3x + k$ is 2, then the value of k is

(a) 10 **(b) -10** **(c) 5** **(d) -5**

2. Given that two of the zeroes of the cubic polynomial $ax^3 + bx^2 + cx + d$ are 0, the third zero is

(a) $\frac{-b}{a}$ **(b)** $\frac{b}{a}$ **(c)** $\frac{c}{a}$ **(d)** $-\frac{d}{a}$

3. If one of the zeroes of the quadratic polynomial $(k - 1)x^2 + kx + 1$ is -3, then the value of k is

(a) $\frac{4}{3}$ **(b)** $\frac{-4}{3}$ **(c)** $\frac{2}{3}$ **(d)** $\frac{-2}{3}$

4. A quadratic polynomial, whose zeroes are -3 and 4, is

(a) $x^2 - x + 12$ **(b) $x^2 + x + 12$** **(c) $x^2 - 2x - 6$** **(d) $2x^2 + 2x - 24$**

5. If the zeroes of the quadratic polynomial x2 + (a + 1) x + b are 2 and -3, then

(a) a = -7, b = -1 **(b) a = 5, b = -1** **(c) a = 2, b = -6** **(d) a – 0, b = -6**

6. The number of polynomials having zeroes as -2 and 5 is

(a) 1 **(b) 2** **(c) 3** **(d) more than 3**

7. Given that one of the zeroes of the cubic polynomial $ax^3 + bx^2 + cx + d$ is zero, the product of the other two zeroes is

(a) $-\frac{c}{a}$ **(b)** $\frac{c}{a}$ **(c)** 0 **(d)** $-\frac{b}{a}$

8. If one of the zeroes of the cubic polynomial $x^3 + ax^2 + bx + c$ is -1, then the product of the other two zeroes is

(a) b – a + 1 **(b) b – a – 1** **(c) a – b + 1** **(d) a – b – 1**

9. The zeroes of the quadratic polynomial x2 + 99x + 127 are

(a) both positive **(b) both negative** **(c) one positive and one negative** **(d) both equal**

10. The zeroes of the quadratic polynomial $x^2 + kx + k$, k? 0,

(a) cannot both be positive **(b) cannot both be negative**

(c) are always unequal **(d) are always equal**

11. If the zeroes of the quadratic polynomial $ax^2 + bx + c$, c # 0 are equal, then

(a) c and a have opposite signs **(b) c and b have opposite signs**

(c) c and a have the same sign **(d) c and b have the same sign**