ECAT Mathematics Chapter 6 Quadratic Equations

Sr	Questions	Answers Choice
1	Question Image	A. 0 B. 1 C. 2 D. 3
2	If ax + bx + c =0 is satisfied by every value of x,then	A. b = 0,c = 0 B. c = 0 C. b = 0 D. a = b = c = 0
3	Roots of the equation x^2- x = 2 are	A. {2, -1} B. {1, 0} C. {2, 1} D. {-2, 1}
4	Question Image	A. Polynomial of degree 0 B. Polynomial of degree 2 C. Quadratic equation D. None of these
5	If a polynomial P(x) is divided by x - a, then the remainder is	A. P(o) B. P(-a) C. P(a) D. None of these
6	The root of the quadratic equation are	A. 3 B. 2 C. 1 D. 4
7	The condition for polynomial equation ax^2+ bx + c = 0 to be quadratic is	
8	A polynomial of arbitrary degree	A. f(x) = o B. f(x) = x C. f(x) = a D. f(x) = ax + b,a ≠ 0
9	Question Image	A. Polynomial of degree 0 B. Polynomial of degree 1 C. Polynomial of degree 2 D. Polynomial of degree n
10	Question Image	A. 4 B. 6 C. 8 D. 10
11	If x - 1 is a factor of x4 - 5x2 + 4 then other factor is	A. (x + 2)2(x - 1) B. (x + 2)(x - 1)2 C. (x+2)(x2- x- 2) D. (x + 2)2(x - 1)2
12	w^{-12}= _____	A. 0 B. 1 C. w D. w²
13	If $3x^4$+ $4x^3$+ x - 5 is divided by x + 1, then the reminder is	A. 0 B. 7 C. -7 D. 5
14	The graph of the quadratic equation is	A. Straight line B. Circle C. Parabola D. elipse
15	If one root of the equation x^2- 3x + a = 0 is 2 then a = _____	A. 0 B. 1 C. 2 D. 3
16	Both the roots of the equation (x - b) (x - c) + (x - c)(x - a) + (x - a)(x - b) = 0 are always	A. Positive B. Negative C. Real

		D. None of these
17	The condition for polynomial equation ax2 + bx + c = 0 to be quadratic is	A. a > 0 B. a < 0 C. a≠ 0 D. a≠ 0,b ≠ 0
18	w^{73}= _____	A. 0 B. 1 C. w D. w²
19	$2x^3$+ 3x + 9 is a _____	A. Polynomial of degree 3 B. Quadratic equation C. Cubic equation D. Polynomial of degree 2
20	The roots of the equation ax^2+ bx + x = 0 are real and distinct if	A. b²- 4ac <0 B. b²- 4ac = 0 C. b²- 4ac > 0 D. None of these