

## Quadratic Equations

Sr	Questions	Answers Choice
SI	Questions	
1	Factors of x <sup>2</sup> -x-2=0 are:	A. (x-1)(x+2) B. (x-1)(x-2) C. (x-1)(x-2) D. (x+1)(x+2)
2	To solve $(x+a)(x+b)(x+c)(x+d) = k$ , we have:	A. a-b=b-c B. a-b=c-d C. a+b=c+d D. a-c=b-c
3	The number of methods to solve a quadratic equation is:	A. 1 B. 2 C. 3 D. 4
4	Two linear factors x <sup>2</sup> -15x+56 are:	A. (x-7) and (x+8) B. (x+7) and (x-8) C. (x-7) and (x-8) D. (x+7) and (x+8)
5	In $ax^2+b+c$ , the co-efficient of $x^2$ is:	A. c B. b C. d D. a
6	The standard form of quadratic equation is:	A. x <sup>2</sup> +6=7x B. x <sup>2</sup> -7x=6 C. 7x+6=x <sup>2</sup> D. x <sup>2</sup> -7x+6=0
7	The factors of $3x^2$ -7x-20=0 are:	A. (x-4)(3x+5) B. (x+4)(3x-5) C. (x-4)(3x-5) D. (x+4)(3x+5)
8	In equation ax <sup>4</sup> +bx <sup>2</sup> +c=0, we replace:	A. x <sup>2</sup> = y B. x= y C. x <sup>4</sup> = y D. x <sup>3</sup> = y
9	Number of ways to solve quadratic equation are:	A. 1 B. 2 C. 3 D. 4
10	The solution set of equation $4x^2$ -16=0 is:	B. {4}
11	Number of terms in standard Quadratic Equation ax <sup>2</sup> +bx+c = 0	A. 1 B. 2 C. 3 D. 4
12	In ax <sup>2</sup> +b+c, the constant term is:	A. a B. b C. c D. d
13	In equation $5^{1+x}+5^{1-x} = 26$ , we put:	A. 5 <sup>2x</sup> =y B. 5 <sup>1+x</sup> =y C. 5 <sup>1-x</sup> =y D. 5 <sup>x</sup> =y
14	An equation of the type 3 <sup>X</sup> +3 <sup>2-X</sup> +6=0 is a/an equation:	A. Radical B. Exponential equation C. Reciprocal D. None of these
15	An equation of the type $3^{X}+3^{2-X}+6=0$ is called a/an:	<ul><li>A. Reciprocal equation</li><li>B. Radical equation</li><li>C. Exponential equation</li><li>D. None of these</li></ul>
16	In $ax^2+b+c$ , if $a = 0$ then reduced form is:	A. ax <sup>2</sup> +bx B. bx+c C. c

		D. ax <sup>2</sup> +c
17	An equation of the form $2x^4-3x^3+7x^2-3x+2=0$ is called a/an:	<ul><li>A. Reciprocal equation</li><li>B. Radicalequation</li><li>C. Exponentialequation</li><li>D. None of these</li></ul>
18	Factors of 5x <sup>2</sup> -30=0 are:	A. 5x(x+6) B. 6x(x+5) C. 6x(x-5) D. 5x(x-6)
19	Quadratic equation is also known as equation of:	A. Standard form B. Polynomials C. Second degree D. Higher order
20	Standard form of quadratic equation is:	