

## Quadratic Equations

Sr	Questions	Answers Choice
1	The number of terms in a standard quadratic equitation ax <sup>2</sup> +bx+c=0 is:	A. 1 B. 2 C. 3 D. 4
2	Which of the following is a reciprocal equation?	A. ax <sup>3</sup> +bx <sup>3</sup> +cx+d=0 B. ax <sup>4</sup> -bx <sup>3</sup> +cx <sup>2</sup> -bx+a=0 C. ax <sup>4</sup> +bx <sup>3</sup> +cx <sup>2</sup> +dx+e=0 D. ax <sup>4</sup> +bx <sup>3</sup> +cx <sup>2</sup> +dx+e=0 D. ax <sup>4</sup> +bx <sup>3</sup> +cx <sup>2</sup> +bx+a=0
3	An equation involving impression of the variable under is called radical equation:	A. Second degree B. Exponent C. Radical D. Cube
4	Solution set of equation $5x^2$ -125 = 0 is:	A. {5} B. {10} C. {-5}
5	An equation of the form $2x^4-3x^3+7x^2-3x+2=0$ is called a/an:	A. Reciprocal equation B. Radicalequation C. Exponentialequation D. None of these
6	Quadratic equation is also known as equation of:	A. Standard form B. Polynomials C. Second degree D. Higher order
7	Question Image	A. Radical equation     B. Reciprocal equation     C. Exponential equation     D. None of these
8	In $ax^2+b+c$ , the co-efficient of $x^2$ is:	A. c B. b C. d D. a
9	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
10	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
11	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
12	An equation of the type $2^{x}$ + 64.2 <sup>-x</sup> - 20 = 0 is called:	A. Exponential equation     B. Reciprocalequation     C. Radicalequation     D. Linearequation
13	In ax <sup>2</sup> +b+c, the constant term is:	A. a B. b C. c D. d
14	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)
15	An equation of the type $3^{x}+3^{2-x}+6=0$ is called a/an:	A. Reciprocal equation     B. Radical equation     C. Exponential equation

		D. None of these
16	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
17	If variables occurs in exponent, then such equations are called:	A. Constant equations B. Linearequations C. Exponentialequations D. Binomialequations
18	The solution set of equation $4x^2$ -16=0 is:	B. {4}
19	The quadratic formula is:	
20	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