

## Quadratic Equations

Sr	Questions	Answers Choice
1	In $ax^2+bx+c$ , the co-efficient of $x^2$ is:	A. c B. b C. d D. a
2	In equation $5^{1+x}+5^{1-x} = 26$ , we put:	A. $5^{2x}=y$ B. $5^{1+x}=y$ C. $5^{1-x}=y$ D. $5^x=y$
3	Equation $3^{2-x} + 6 = 0$ is of type:	A. Exponential B. Radical C. Reciprocal D. Non
4	If variables occurs in exponent, then such equations are called:	A. Constant equations B. Linearequations C. Exponential equations D. Binomial equations
5	A root of an equation, which do not satisfy the given equation is called:	A. Endogenous root B. Extraneous root C. Internal root D. Radical root
6	An equation of the type $2^x + 64 \cdot 2^{-x} - 20 = 0$ is called:	A. Exponential equation B. Reciprocalequation C. Radicalequation D. Linearequation
7	Standard form of quadratic equation is:	
8		A. Radical equation B. Reciprocal equation C. Exponential equation D. None of these
9	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. $a-c=b-c$
10	Quadratic equation is also known as equation of:	A. Standard form B. Polynomials C. Second degree D. Higher order
11	An equation of the type $3^x+3^{2-x}+6=0$ is a/an _____ equation:	A. Radical B. Exponential equation C. Reciprocal D. None of these
12	Factors of $x^2-x-2=0$ are:	A. $(x-1)(x+2)$ B. $(x-1)(x-2)$ C. $(x-1)(x-2)$ D. $(x+1)(x+2)$
13	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. $(x+4)(3x+5)$
14	In $ax^2+bx+c$ , the constant term is:	A. a B. b C. c D. d
15	The number of terms in a standard quadratic equation $ax^2+bx+c=0$ is:	A. 1 B. 2 C. 3 D. 4
16	Number of terms in standard Quadratic Equation $ax^2+bx+c = 0$	A. 1 B. 2 C. 3

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- 17 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
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- 18 An equation involving impression of the variable under \_\_\_\_\_ is called radical equation:
- A. Second degree  
B. Exponent  
C. Radical  
D. Cube
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- 19 The solution set of equation  $4x^2 - 16 = 0$  is:
- B. {4}
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- 20 The quadratic formula is:
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