Mathematics 10th Class English Medium Unit 1 Online Test

Sr	Questions	Answers Choice
1	If variables occurs in exponent, then such equations are called:	A. Constant equations B. Linearequations C. Exponentialequations D. Binomialequations
2	In ax^2+b+c, the co-efficient of x is:	A. b B. d C. c D. a
3	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
4	Equation is $2x^4-3x^3+7x^2-3x+2=0$ called:	A. Reciprocal B. Radical C. Exponential D. None
5	Number of ways to solve quadratic equation are:	A. 1 B. 2 C. 3 D. 4
6	Quadratic equation is also known as equation of:	A. Standard form B. Polynomials C. Second degree D. Higher order
7	In ax^2+b+c, if a = 0 then reduced form is:	A. ax²+bx B. bx+c C. c D. ax²+c
8	The number of methods to solve a quadratic equation is:	A. 1 B. 2 C. 3 D. 4
9	Which of the following is a reciprocal equation ?	A. ax³+bx³+cx+d=0 B. ax⁴-bx³+cx²-bx+a=0 C. ax⁴+bx³+cx²+dx+e=0 D. ax⁴+bx³+cx²+bx+a=0
10	Standard form of quadratic equation is:	
11	In equation $ax^4+bx^2+c=0$, we replace:	A. x² = y B. x= y C. x⁴= y D. x³= y
12	A second degree equation in one variable x is of the form:	A. ax²+c B. ax²+bx+c C. ax+bx+c D. ax²+b
13	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)
14	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
15	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)

16	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
17	An equation involving impression of the variable under _____ is called radical equation:	A. Second degree B. Exponent C. Radical D. Cube
18	The standard form of quadratic equation is:	A. x²+6=7x B. x²-7x=6 C. 7x+6=x² D. x²-7x+6=0
19	Question Image	A. Radical equation B. Reciprocal equation C. Exponential equation D. None of these
20	In ax^2+b+c, the co-efficient of x^2 is:	A. c B. b C. d D. a
21	The solution set of equation $4x^2-16=0$ is:	B. {4}
22	The number of terms in a standard quadratic equitation $ax^2+bx+c=0$ is:	A. 1 B. 2 C. 3 D. 4
23	Number of terms in standard Quadratic Equation $ax^2+bx+c = 0$	A. 1 B. 2 C. 3 D. 4
24	In ax^2+b+c, the constant term is:	A. a B. b C. c D. d
25	An equation of the type $2^x + 64.2^{-x} - 20 = 0$ is called:	A. Exponential equation B. Reciprocalequation C. Radicalequation D. Linearequation
26	The quadratic formula is:	
27	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
28	Two linear factors $x^2-15x+56$ 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)
29	Solution set of equation $5x^2-125 = 0$ is:	A. {5} B. {10} C. {-5}
30	Factors of $5x^2-30=0$ are:	A. 5x(x+6) B. 6x(x+5) C. 6x(x-5) D. 5x(x-6)
31	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
32	Equation $3^{2-x} + 6 = 0$ is of type:	A. Exponential B. Radical C. Reciprocal D. Non
33	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