

Mathematics 10th Class English Medium Online Test

Sr	Questions	Answers Choice
1	A quadratic equation has:	A. Two roots B. Three roots C. Fourroots D. Fiveroots
2	The expression " b^2-4ac " of a quadratic equation is called:	A. Determinant B. Redicand C. Discriminant D. Index
3	An equation involving impression of the variable under _____ is called radical equation:	A. Second degree B. Exponent C. Radical D. Cube
4	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
5	An equation of the type $2^x + 64 \cdot 2^{-x} - 20 = 0$ is called:	A. Exponential equation B. Reciprocalequation C. Radicalequation D. Linearequation
6	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. $a-c=b-c$
7	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. $5^{^x}=y$
8	Which of the following is a reciprocal equation ?	A. $ax^{³}+bx^{³}+cx+d=0$ B. $ax^{⁴}-bx^{³}+cx^{²}-bx+a=0$ C. $ax^{⁴}+bx^{³}+cx^{²}+dx+e=0$ D. $ax^{⁴}+bx^{³}+cx^{²}+bx+a=0$
9	If variables occurs in exponent, then such equations are called:	A. Constant equations B. Linearequations C. Exponentialequations D. Binomialequations
10	In equation $ax^4+bx^2+c=0$, we replace:	A. $x^{²}=y$ B. $x=y$ C. $x^{⁴}=y$ D. $x^{³}=y$
11	Factors of $5x^2-30=0$ are:	A. $5(x+6)$ B. $6(x+5)$ C. $6(x-5)$ D. $5(x-6)$
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	The standard form of quadratic equation is:	A. $x^{²}+6=7x$ B. $x^{²}-7x=6$ C. $7x+6=x^{²}$ D. $x^{²}-7x+6=0$
		A. $ax^{²}+bx+c=0$

15 In $ax^2 + bx + c$, if $a = 0$ then reduced form is:

- B. $bx + c$
C. c
D. $ax^2 + c$
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