

Algebraic Manipulation

Sr	Questions	Answers Choice
1	Factor of $x^3 - 4x - 77 = 0$ are:	A. (11, -7) B. (11, 11) C. (11, 7) D. (-7, 7)
2	The quadratic form of $x - 5/2x = x - 4/3$ is:	A. $2x^2 - 11x + 15$ B. $2x^2 - 15x + 11$ C. $2x^2 - 22x + 15$ D. $2x^2 + 11x - 15$
3	Question Image	
4	Root which are not the solution of the original equation but they are obtained in the solution are called:	A. Real roots B. extraneous roots C. constants D. variable solvents
5	Any value of the variable which makes the equation a true statement is called the:	A. equation B. inequality C. variable D. solution
6	If $a \times b = 0$ then $a = 0$ or $b = 0$ (both a and b equal to zero) is called:	A. solution of equation B. law of indices C. law of null factor D. law of inverse
7	Question Image	
8	The solution set of $x - 7 < 5 - 2x$ is:	A. $x > 4$ B. $x = 4$ C. $x < 4$ D. $x \leq 4$
9	for any three numbers x,y and z if $x > y$ and $y > z$ then:	A. trichotomy property B. transitive property C. additive property D. multiplicative property
10	Any term of an equation may be taken to the other side with its sign changed without affection the equation is called:	A. factorization B. surd C. transposition D. transformation
11	An equation that can be written in the form $ax + b = 0$, $a \neq 0$ where a and ab are constants and x is variable is called:	A. linear equation B. liner inequality C. cubic equation D. quadratic equation
12	Two liner algebraic expressions joined by an inequality symbol such as $>$, $<$, $>$, $<$ is called:	A. liner equation B. liner inequality C. absolute value equation D. order relation
13	The solution set of absolute equation $ x - 3 = 5$ is:	A. (2,8) B. (-2,8) C. (-2,-8) D. (2,-8)
14	A father's age 4 times of his son's age. if the age of son is 20 year's then the age of father is:	A. 60 B. 80 C. 100 D. 40
15	The symbol ' $>$ ' stand for:	A. greater than B. less than C. less then or equal to D. greater than or equal to