Algebraic Manipulation

Sr	Questions	Answers Choice
1	Question Image	
2	The solution set of x - 7< 5 - 2x is:	A. x > 4 B. x = 4 C. x < 4 D. x < 4
3	The quadratic form of x - 5/2x= x - 4/3 is:	A. 2x2 -11x + 15 B. 2x2 - 15x +11 C. 2x2 -22x + 15 D. 2x2 + 11x - 15
4	If a x 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
5	The symbol '>' stand for:	A. greater than B. less than C. less then or equal to D. greater than or equal to
6	The solution set of absolute equation lx - 3l = 5 is:	A. (2,8) B. (-2,8) C. (-2,-8) D. (2,-8)
7	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
8	An equation that can be written in the form ax + b = 0, a ≠ 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
9	Factor of x3 - 4x - 77 = 0 are:	A. (11, -7) B. (11, 11) C. (11, 7) D. (-7, 7)
10	Question Image	
11	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
12	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
13	Any value of the variable which makes the equation a true statement is called the:	A. equation B. inequality C. variable D. solution
14	for any there numbers x,y and z if x > y and y> z then:	A. trichotomy property B. transitive property C. additive property D. multiplicative property
15	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