Algebric Formulas And Applications

Sr	Questions	Answers Choice
1	if a + b =8 and a-b =3, then ab = ?	A. -40 B. 24 C. 18 D. 8
2	The symbol '' i.e '' stands for:	A. therefore B. because C. that is D. correspondence
3	x + 5/x2 - 6x - x/x - 6 =?	A. 5 - x - x2/x2 -6x B. 5 + x - x2/x2 -6x C. 5 + x - x2/x2 +6x D. x2 - 6x/5 + x- x2
4	The lowest term of 8x2y2/12xy5 is:	A. 2x2/3y3 B. 3x3/2y2 C. 3x2/2y3 D. 4c2/9y3
5	if P(x) = 4x3 +3x2 + 5x + 1, then P(1) as:	A. 13 B. 15 C. 17 D. 19
6	if x2 = a, then:	A. x = a B. x = ±a C. x = √a D. x = ±√a
7	2(a2 + b2) = ?	A. (a2 + b2) -4ab B. (a + b)2 + (a - b)2 C. (a + b ÷ c)2 D. (a + b)2 - (a - b)2
8	Type of algebraic expressions are:	A. Polynomial , Rationa expression B. Rational expression, irrational expression C. irratioanal expressional , Polynomial D. Polynomial , Rational expression , Irational expression
9	Conjugate binomial surd of a + b √x is	A. a +bx B. a - b√x C. √a + √bx D. a - bx
10	Which of the following expression is not a rational expression?	A. 3√x +1/3√x +1 B. x3 +1/x + 1 C. x + 1 /3x3 + x2 +3 D. 2x2/3y3
11	An irrational number that contains a radical sign is called:	A. Polynomial B. surd C. equality D. inequality
12	An expression which can be written in the form of P(x)/Q(x , Q (x)≠0, Where P(x) and Q(x) are polynomials in "x" is called a:	A. irraational expression B. rational expression C. proper rational expression; D. improper rational expression
13	Which of the following is a pure surd?	A. 4√3 B. 5√7 C. 1/7√3 D. 4
14	An expression which involves numbers and letters together with operational signs is called:	A. Polynomial B. Algebraic expression C. rational expression D. Irrational expression
		A. 2x3 + 3x2 +3/x2 + x + 3

15	Which of the following is a proper rational expression?	B. 3x2 + 4x + 5/ 2x^4+ 1 C. x3 +8/x + 1 D. 2√x+3/2√x-3