

ECAT Pre General Science Mathematics Online Test

Sr	Questions	Answers Choice
1	Question Image	B. a f(x) + c C. f(x) + a
2	An equation of the form ax + by = k is homogeneous linear equation when	A. $b = 0$, $a = 0$ B. $a = 0$, $b \neq 0$ C. $b = -0$, $a \neq 0$ D. $a \neq 0$, $b \neq 0$, $k = 0$
3	The complement of set A relative to universal set U is the set	
4	The solution set of the equation 1 + Cos x = 0 is	D. none of these
5	The exact value of $\cos^{-1}(-1) + \cos^{-1}(1) =$	A. π Bπ C. π/2 D. π/3
6	Question Image	
7	(7,9) +(3,-5) =	A. (4,4) B. (10,4) C. (9,-5) D. (7,3)
8	The distance of the point (2,-3) from y-axis is	A. 2 B3 C. 1 D. 5
9	If (2, 3) is the mid point of (a, 3) and (5, b) then	A. a = 1, b = -3 B. a = -1, b = 3 C. a = 1, b = 3 D. a = -1, b = -3
10	Question Image	
11	There are 16 point in a plane, in which 6 are collinear. how many lines can be drawn by joining these points?	A. 10 B. 66 C. 71 D. 106
12	Which of the following is a vector.	A. work B. time C. density D. electric field
13	If $f(x) = -x^2$ then $f(-2)$ is	A2 B. 2 C4 D. 4
14	Question Image	
15	Question Image	
16	The points (5, 0, 2), (2, -6, 0), (4, -9, 6) and (7, -3, 8) are vertices of a	A. Square B. Rhombus C. Rectangle D. Parallelogram
17	Any whole number can be written as a product of factors which are	A. Odd numbers B. Prime number C. Rational number D. Even number
18	24 can be written as a product of	A. Odd factors B. Even factors C. Whole factors D. Prime factors
19	The domain of $y = \sqrt{(x^2-9)}$ is	A. R B. (0 , +∞) C. (-∞ , -3) ∪ (3 , +∞)