

ECAT Pre General Science Mathematics Online Test

Sr	Questions	Answers Choice
1	Name the property used in a (b-c) = ab - ac	A. commutative property of multiplication B. distributive property of multiplication C. associative property of multiplication D. multiplicative inverse
2	The function $f\{(x, y) \mid y = ax^2 + bx + c\}$ is	A. One-one function B. Constant function C. Onto function D. Quadratic function
3	A function f is said to be an even if f(-x) =	A. 0 B. 1 C. f(x) Df(x)
4	sn (2sin-10.8)	A. 0.56 B. 0.69 C0.16 D. 0.96
5	The parabolay2=4ax open up if	A. a<0 B. a≠0 C. a>0 D. All are incorrect
6	3/2 is	A. An irrational numberB. Whole numberC. A positive integerD. A rational number
7	If Sn is a definite number as $n\to \infty,$ then the geometric series is	A. Convergent B. Divergent C. Oscillatroy D. None of these
8	n(n - 1) (n - 2) in factorial form is	
9	The set of even prime numbers is	A. (2,4,6,8,10) B. {2,4,6,8,10,12} C. {1,3,5,7,9} D. {2}
10	10=	A. 360' B. 60" C. 60' D. 3600'
11	Both the roots of the equation $(x-b)(x-c)+(x-c)(x-a)+(x-a)(x-b)=0$ are always	A. Positive B. Negative C. Real D. None of these
12	Question Image	A. 2 ² - n - 1 B. 1 - 2 ⁻ⁿ C. n + 2 ⁻ⁿ -1 D. 2 ⁿ -1
13	If $f(x) = x^2$ then $f(2)$ is	A2 B. 2 C. 4 D4
14	$\forall a,b,c \in R,a +c = b + c = > a = b$	A. Reflexive property B. Symmetric property C. Cancellations property w.r.t. addition D. Transitive property
15	Domain of $\sin heta$ is	A. Set of real numbers B. Set of complex numbers C. Set of natural numbers

		D. Set of even numbers
16	Question Image	
17	Question Image	C. 2x D. 2
18	Question Image	A. Closure law of addition B. Associative law of addition C. Commutative law of multiplication D. Associative law of multiplication
19	1/3 is a decimal	A. Recurring B. Terminating C. Non-terminating D. None of the above
20	Question Image	