

ECAT Pre General Science Mathematics Online Test

Sr	Questions	Answers Choice
1	Which term of the A.P 5,8,11,24.....is 320	A. 104th B. 106th C. 105th D. 64th
2	$\forall a \in \mathbb{R} \exists o \in \mathbb{R}$ such that $a + v = 0 + a = a$ is property of	A. Commutative law of addition B. Associative law of addition C. Additive identity D. Additive inverse
3	$(A \cap B)^c =$ -----	A. $A^c \cup B^c$ B. $A^c \cup B$ C. $A^c \cap B$ D. None of these
4	If $f(x) = -x^3$ then $f(-2)$ is	A. -2 B. -4 C. -8 D. 8
5	Which symbolic notation represent unary operation ?	A. - B. $\vee$ C. $\wedge$ D. $\Leftrightarrow$
6	Question Image	A. a B. 2a C. 3a D. 4a
7	A triangle which is not right is called an _____ triangle	A. Acute B. Obtuse C. Oblique D. None of these
8	The positive integer just greater than $(1+0.0001)^{10000}$ is	A. 4 B. 5 C. 2 D. 3
9	The point R dividing internally the line joining the points $P(x_1, y_1)$ and $Q(x_2, y_2)$ in the ratio $K_1: K_2$ has the coordinates	
10	Question Image	D. none of these
11	The property used in $-3 < -2 \Rightarrow 0 < 1$	A. Commutative property B. Additive property of inequality C. Additive inverse D. Additive identity
12	The middle term of the expansion $(1 + 2x)^6$ is _____	A. 1st term B. 4th term C. 2nd term D. 5th term
13	The number of subsets of a set having three elements is	A. 4 B. 6 C. 8 D. none of these
14	The set of first elements of the ordered pairs in a relation is called its	A. domain B. range C. relation D. function
15	Question Image	
16	Question Image	
17	A function from X to X is denoted as	B. $f: X$ to Y D. $f: Y$ to Y
18	A function $F(x)$ is called even if	A. $F(x) = F(-x)$ B. $F(x) = F(-x)$

18 A function $f(x)$ is called even if

- C. $f(x) = -f(x)$
- D. $2f(x) = 0$

19 A triangle which is not right angle is called _____ triangle

- A. acute
- B. Obtuse
- C. Right
- D. Oblique

20 Range of $\cos\theta$ is