

ECAT Pre General Science Mathematics Online Test

Sr	Questions	Answers Choice
1	Question Image	
2	$x = \underline{\hspace{2cm}}$ is in the solution of $2x + 3 < 0$	A. 0 B. 2 C. -1 D. -2
3	How many signals can be given by 5 flags of different colours, using 3 flags at a time	A. 120 B. 60 C. 24 D. 15
4	The 7th term of $(3^8 + 6^4x)^{11/4}$ is	A. $-19217/3 x^{6/3}$ B. $189/2 6^{4/4}x$ C. $2227/12 x^{3/3}$ D. $-19712/3 x^{6/3}$
5	If $x < y$, $2x = A$, and $2y = B$, then	A. $A = B$ B. $A \leq B$ C. $A \leq x$ D. $B \leq y$
6	Question Image	A. $\cos x$ B. $-\sin x$ C. $-\cos x$ D. $\tan x$
7	Which conjunction is not true ?	
8	Question Image	A. xy B. y C. 0 D. x
9	Question Image	
10	The distance of the point (2, -3) from x-axis is	A. -2 B. -3 C. 2 D. 3
11	Question Image	
12	$(2.02)^4$ is equal to	A. 16 B. 16.6496 C. 17 D. 18
13	Question Image	A. trigonometric equation B. conditional equation C. identity D. None
14	Question Image	
15	The exact value of $\cos^{-1}(0)$ is	A. $\pi/2$ B. $-\pi/2$ C. 3π D. $\pi - \pi/6$
16	Question Image	A. Closure law of addition B. Closure law of multiplication C. Commutative law of addition D. Commutative law of multiplication
17	The coefficient of x^{10} in the expansion $(x^3 + 3/x^2)^{10}$ is	A. 1700 B. 17023 C. 17027 D. 17010
18	Question Image	
19	Two sets A and B are said to be disjoint if	

