

## ECAT Pre General Science Mathematics Online Test

Sr	Questions	Answers Choice
1	The two lines y = 2x and x =2y are	A. Parallel     B. Perpendicular     C. Equally inclined with axes     D. Congruent
2	Question Image	A. n < 8/5 B. n < 5/8 C.  n  < 8/5 D.  n > 8/5
3	Question Image	
4	If x,y are two positive distinct numbers then	A. A>G>H B. A <g<h a="G=H" c.="" d.="" none="" of="" td="" these<=""></g<h>
5	The term independent of x is the expansion $(x^3+1/x)^{12}$	A. 295 B. 495 C. 395 D. 722
6	Question Image	A. 1 B. 2 C. 3 D. 4
7	Question Image	
8	Question Image	A. Two real roots B. Two positive roots C. Two negative roots D. One positive and one negative root
9	Question Image	
10	(0,1) is in the solution of the inequality	A. 3x + 2y > 8 B. 2x - 3y < 4 C. 2x + 3y > 5 D. x -2y < -5
11	Question Image	
12	Three right angles is the angle of measure	A. 270° B. 180° C. 90° D. 270'
13	The matrix A is Hermitian when (A)' =	A. A BA C. A D. A'
14	Question Image	A. 4A - 3I B. 3A - 4I C. A - I D. None of these
15	If one root of the equation $x^2$ - $3x + a = 0$ is 2 then $a =$	A. 0 B. 1 C. 2 D. 3
16	Question Image	A. 1 B. 0 C. 3 D1
17	Question Image	
18	3, 6, 12, is	A. A.P B. G.P. C. H.P.

		D. None of these
19	3j . k x i	A. 0 B. 1 C. 3 D. 9
20	The set of whole numbers is subset of	A. The set on integers B. The set of natural numbers C. {1, 3, 5, 7,} D. The set of prime numbers