

ECAT Pre General Science Mathematics Online Test

Sr	Questions	Answers Choice
1	If x^3+4x^3-2x+5 is divided by $x-1$, then the reminder is	A. 8 B. 6 C. 4 D. None of these
2	Question Image	
3	If P is a proposition then its negative is denoted by	
4	Cos-1 (-x) =	Ax B. 1/x C. tan-1 x D. π-cos-1 x
5	If $(1+x-2x^3)^6=1+a_1x+a_2x^2+a_3x^3+$ the the value of $a_2+a_4+a_6++a_{12}$ will be	A. 32 B. 31 C. 64 D. 1024
6	Question Image	
7	Question Image	A. (-6,4) B. (-3,2) C. (6,-4) D. (3, -2)
8	Question Image	
9	tan(3π/2 +θ)=;	A. tanθ B. cotθ Ctanθ Dcotθ
10	The angle of elevation of a tower from a point A due south of it is x and from a point B due east of A is y . If $AB = 1$, then the height h of the tower is given by	
11	Question Image	A. 0 B. 1 C. 2 D. 4
12	Question Image	A. 0 B1 C. 1 D. 1/2
13	60° =	
14	Question Image	
15	The constant distance of all points of the circle from its centre is called the	A. radius of the circle B. secant of the circle C. chord of the circle D. diameter of the circle
16	(n + 2) (n + 1)n in factorial form is	
17	x = 1 is in the solution of the inequality	A. x + 1 > 0 B. x - 2 > 0 C. 3x - 1 < 0 D. x + 2 < 0
18	Question Image	A. 5 B. 20 C. 9 D. 4
19	Question Image	
20	Question Image	