

ECAT Mathematics Online Test

Sr	Questions	Answers Choice
1	If P is a proposition then its negative is denoted by	
2	Question Image	A. A,. B, C are coincident B. A, B, C are collinear C. Both A and B D. None of these
3	Question Image	
4	Question Image	
5	tan(3π/2 +θ)=;	A. tanθ B. cotθ Ctanθ Dcotθ
6	Two circles are said to be concentric if they have	A. same radius B. same chord C. same centre D. same diameter
7	The function $\{f(x,y) y = ax2 +bx +c\}$ is	A. One-one function B. Constant function C. Onto function D. Quadratic function
8	The projections of a line segment on x, y, z axes are 12, 4, 3. The length and the direction cosines of the line segment are	
9	Question Image	A. 9 B9 C. 0 D. 1
10	A square matrix A for which A ^t = A is called a	A. Column matrix B. Symmetric matrix C. Skew-symmetric matrix D. Row matrix
11	Question Image	
12	Question Image	
13	Question Image	
14	The sum of the focal distance from any point on the ellipse 9x2 +16y2 =144 is	A. 32 B. 16 C. 18 D. 8
15	Question Image	A. Singular B. Non-singular C. Adjoint D. None of above
16	Question Image	A. images B. pre-images C. constants D. none of these
17	3.5+5.4=5.4+3.5 =8.9 this property of addition is called	A. additive identity B. associative property C. commulative property D. closure property
18	The common ration of a geometric sequence cannot be	A. 0 B. 1 C. 2 D. 3
19	Question Image	
		A. y± 1 = 0