

## ECAT Mathematics MCQ's Test For Pre General Science

Sr	Questions	Answers Choice
1	The solution of the quadratic equation x2 -7x + 10=0, is	A. 2 B. 5 C. 2,5 D. 7
2	The matrix A = [aij]1xn is a	A. Vector B. Rectangular matrix C. Column vector D. Square matrix
3	If a,b c are sides of a triangle taken in order then a x b =	A. b x c B. b x a C. cxa D. Both a & amp; b
4	Question Image	A. 1 B. 0 C2 D. 3
5	Question Image	
6	Question Image	
7	$f(x) = 3x/x^2 + 1$ is:	A. an even function B. an odd function C. an even and implicit function D. neither even nor a odd
8	If $\#n = (n-5)^2 + 5$ , then find $\#3 \times \#4$ .	A. 54 B. 12 C. 4 D. 9
9	E-radius corresponding to < C is	
10	$\forall$ a,b, c $\epsilon$ R ac = bc $\Rightarrow$ a = b, c $\neq$ 0 is a	A. Symmetric property     B. Cancellation property w.r.t     multiplication     C. Reflexive property     D. Transitive property
11	Question Image	
12	A diagonal matrix in which the diagonal elements are equal is called a	A. Null matrix B. Identity matrix C. Scalar matrix D. Row matrix
13	In a quadratic equation with leading co-efficient 1, a student reads the co-obtain the roots as - 15 and -4. The correct roots are	A. 6, 10 B6, -10 C. 8, 8 D8, -8
14	O is	A. A positive integer B. A negative integer C. A natural number D. An integer
15	Question Image	A. 0 B. 8 C. 5 D. 9
16	In a triangle ABC, if angle A = $72^{\circ}$ , angle B = $48^{\circ}$ and c = $9$ cm then $\hat{C}$ is	A. <span style="font-size: 0.95em;">69°</span> B. <span style="font-size: 0.95em;">66°</span> C. 60° D. <span style="font-size: 0.95em;">63°</span>
17	$f(x) = ax^2 - 3x - 5$ and $f^1(2) = 9$ a is equal to	A. 2 B. 3

	The area of and the officers	C2 D. 4
18	If p is false, -p is	A. True B. Not true C. Equal to p D. Conjunction
19	Question Image	A. 1 B1 C. 0 D. None of these
20	Question Image	