

ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	\forall a,b, c ϵ 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
4	A conditional "if p then q" is denoted by	
5	{1, 2, 3} is	A. an infinite set B. A finite set C. A singleton set D. Universal set
6	Each complex cube root of unity is square of	A. itself B. 1 C1 D. the other
7	Tangent is a periodic function and its period is	A. 2 <i>π</i> B. 3 <i>π</i> C. <i>π</i> D. 4 <i>π</i> D. 4 <<i>π</i>
8	Question Image	
9	E-radius corresponding to < B is	
10	(1,0) is in the solution of the inequality	A. 3x + 2y > 8 B. 2x - 3y < 4 C. 2x + 3y > 3 D. x - 2y < -5
11	r̄(4n+2) =	A. 1 B. i C1 Di
12	<i>i</i> is equal	A. (1,0) B. (0,1) C. (1,1) D. (0,0)
13	If α, β are non-real roots of ax2 + bx +c =0 (a,b,c \in Q), then	A. $\alpha = \beta$ B. $\alpha\beta = 1$ C. $\alpha = \beta$ D. $\alpha = 1$
14	The graph of linear equation 2x + 3y = 10	A. Parabola B. Circle C. Hyperbola

		D. Straight line
5	Question Image	
6	The negative square root of 9 can be written as:	A√9 B. √9 C. √18 D√18
7	Domain of $\cot heta$ is	
8	The set of rational numbers is subset of	A. The set of natural numbers B. The set of real numbers C. The set of integers D. The set of whole numbers
9	An A.P., a G.P. and a H.P. have the same first and last terms and the same odd numbers of terms, the middle terms of the three series are in	A. A.P. B. G.P. C. H.P. D. None of these
0	In order of A is $m \times n$ and order of B is $n \times p$ then order of AB is	A. m x m B. n x n C. m x p D. p x m