

ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Question Image	A. 0 B. 1 C. 8 D. <i></i>
2	Question Image	
3	Question Image	A. 1 B. -1 C. 0 D. I
4	The roots of the equation $ax^2 + bx + c = 0$ are complex/imaginary if	A. $b^2 - 4ac < 0$ B. $b^2 - 4ac = 0$ C. $b^2 - 4ac > 0$ D. None of these
5	Question Image	A. 25 B. 16 C. 5 D. 0
6	Domain of $\sec x$ is _____	
7	The 5th term of $(3a-2b)^{-1}$ is	A. $7b^2/a^5$ B. $16b^2/243a^5$ C. $17b^4/43a^5$ D. $25b^3/43a^5$
8	How many arrangements of the letters of the word PAKISTAN can be made	
9	Question Image	
10	(1, 1) is the in the solution of the inequality	A. $3x + 4y > 3$ B. $2x + 3y < 2$ C. $4x = 3y > 5$ D. $2c - 3y > 2$
11	Question Image	
12	In R the left cancellation property w.r.t addition is	
13	Question Image	A. image B. pre-image C. constant D. none of these
14	The set of the first elements of the ordered pairs forming a relation is called its	A. Relation in B B. Range C. Domain D. Relation in A
15	If $x^2 + px + 1$ is a factor of $ax^3 + bx + c$, then	A. $a^2 + c^2 = -ab$ B. $a^2 - c^2 = -ab$ C. $a^2 - c^2 = ab$ D. None of these
16	The third term of a G.P. is 4, The product of first five terms is	A. 43 B. 45 C. 46 D. None of these
17	Question Image	A. 8 B. 9 C. 10

		C. 10 D. 11
18	Question Image	A. The law of sines B. The law of cosines C. The law of tangents D. None of these
19	$f(x) = 3x^4 - 2x^2 + 7$ is:	A. an even function B. an odd function C. an even and implicit function D. neither even nor a odd
20	To draw conclusions from some experiments or few contacts only is called:	A. Deduction B. Implication C. Conjunction D. Induction