

## ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Period of $3 \sin x$ is _____	
2	If $f(x) = x^3 - 2x^2 + 4x - 1$ , then $f(-2) = ?$	A. 0 B. -25 C. 5 D. 45
3	The square roots of negative numbers is called	A. Real no B. Complex no C. Positive no D. Negative no
4	The value of $150^\circ$ in term of $\pi$ is	A. $2\pi/5$ B. $5\pi/2$ C. $3\pi/2$ D. $2550/32401\pi$
5	All men are mortal, We are men, there fore, we are also mortal. This is a useful example of	A. Deduction B. Induction C. Conjunction D. disjunction
6	Question Image	
7	Domain of $\sin x$ is _____	
8	The condition for polynomial equation $ax^2 + bx + c = 0$ to be quadratic is	A. $a > 0$ B. $a \neq 0$ C. $a \neq 0$ D. $a \neq 0, b \neq 0$
9	Question Image	
10	The identity element with respect to subtraction is	A. 0 B. -1 C. 0 and 1 D. None of thes
11	How many arrangements of the letters of the word MATHEMATICS can be made	
12	Question Image	
13	Question Image	D. none of these
14	The area between the x-axis the curve $y = 4x - x^2$ is :	A. $32/2$ B. 15 C. 18 D. 21
15	The positive value of k for which the equation $x^2 + kx + 64 = 0$ has one of the roots 0	A. 4 B. 64 C. 8 D. All values of k
16	Question Image	
17	The term involving $x^4$ in the expansion $(3-2x)^4$ is	A. $217x^4$ B. $15120x^4$ C. $313x^4$ D. $-25x^4$
18	The conjunction of $3 > 5$ , and $5 > 9$ , is	A. False B. True C. Disjunction D. Unknown
19	Question Image	
20	Question Image	