

ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Question Image	
2	If $ax + bx + c = 0$ is satisfied by every value of x , then	A. $b = 0, c = 0$ B. $c = 0$ C. $b = 0$ D. $a = b = c = 0$
3	$x = \underline{\hspace{2cm}}$ is in the solution of $2x + 3 \geq 0$	A. 1 B. -2 C. -3 D. -4
4	$\cos h^2 x + \sin h^2 x$	A. an even function B. an odd function C. an even and implicit function D. neither even nor a odd
5	Question Image	A. -2217 B. -8064 C. -1301 D. -8011
6	Question Image	A. Only one real solution B. Exactly three real solution C. Exactly one rational solution D. Non-real roots
7	The roots of the equation $4x - 3.2x + 2 + 32 = 0$ would include	A. 1 and 3 B. 1 and 4 C. 1 and 2 D. 2 and 3
8	A function f is said to be an even if $f(-x) =$	A. 0 B. 1 C. $f(x)$ D. $-f(x)$
9	Which term of the A.P 5, 8, 11, 14, is 320	A. 104th B. 106th C. 105th D. 64th
10	Shifting origin to $(-4, -6)$, the new coordinates of $(-6, -8)$ are:	A. $(-1, 2)$ B. $(-2, -2)$ C. $(1, -2)$ D. $(3, -2)$
11	The solution set of $x^2 - 5x + 6 = 0$ is	A. $\{1, 3\}$ B. $\{2, 3\}$ C. $\{1, 2\}$ D. None of these
12	Question Image	
13	If one root of the equation $x^2 - 3x + a = 0$ is 2 then $a =$ _____	A. 0 B. 1 C. 2 D. 3
14	Question Image	D. none of these
15	Tangent isfunction	A. Inverse B. one-one C. in-to D. Periodic
16	If $f(x) = c$ then $f^{-1}(x)$ equals:	A. 1 B. 0 C. cx D. c
17	Which of the following integrals can be evaluated	A. The cost of one apple

18	The total cost of 2 apples and 3 oranges is \$1.70, which of the following is true	B. The cost of one orange C. Both have equal cost per item D. Cost of each single item can not be determined
19	Question Image	A. an A.P. B. a G.P. C. a H.P. D. None of these
20	Question Image	A. 0 B. 1 C. -1 D. none of these