ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Roots of the equation $x^2 - x = 2$ are	A. {2, -1} B. {1, 0} C. {2, 1} D. {-2, 1}
2	Name the property used in 1000 x 1 = 1000	A. additive inverse B. multiplicative inverse C. additive identity D. multiplicative identity
3	If $3x + 4y + 7 = 0$, then dy / dx =	A. -1/2 B. -4/3 C. 7/2 D. -3/4
4	If $a + b + c = 0$ then which of the following is true	A. a =b =c =0 B. a,b =b,c =c,a C. a xb=b xc =c xa D. None
5	Question Image	A. Rational B. Irrational C. Natural D. Odd
6	The domain of $y = \sqrt{(x^2-9)}$ is	A. R B. (0 , +∞) C. (-∞ , -3) ∪ (3 , +∞) D. (0 ,∞)
7	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
8	The derivative of $\sqrt{x}$ at x =a is:	A. 1/2a B. 2 / √a C. 2√x D. 1 / 2√x
9	Which of the following statement is true?	A. A set is a collection of non-empty object B. A set is a collection of only numbers C. a set is any collection of things D. a set is well-defined collection of objects
10	Question Image	
11	Question Image	
12	Question Image	A. p and q B. p or q C. p implies q D. p is equivalent to q
13	The solution set of sin x + cos x = 0 is	
14	Question Image	A. 2 C. -2 D. none of these
15	Question Image	A. 1 B. -i C. i D. 0
16	ax + by < c is linear inequality in	A. four variables B. three variables C. two variables D. one variable
		A. -3

17	The slope of the line from B (2,-3) through A (0,3) is:	B. 1/3 C. 0 D. undefined
18	Question Image	A. Principle of equality of fractions B. Rule for product of fraction C. Rule for quotient of fraction
19	The term involving x^4 in the expansion of $(3 - 2x)^7$ is	A. 120 B. 1512 C. 1250 D. 15120
20	Question Image	