ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Question Image	D. none of these
2	Which of the vectors have opposite direction?	
3	A point (x,y) which satisfy a linear inequality in two variables form its	A. Solution B. Domain C. Range D. None
4	$f(x) = ax^2 - 3x - 5$, and $f^1(2) = 9$, a is equal to	A. 2 B. 3 C. -2 D. 4
5	Shifting origin to (-4,-6), the new coordinates of (-6,-8) are:	A. (-1,2) B. (-2,-2) C. (1,-2) D. (3.-2)
6	Under multiplication, solution set of is	A. Groupoid B. Abelian group C. Semi group D. All of these
7	In R the left cancellation property w.r.t addition is	
8	Question Image	
9	Question Image	A. 8 B. 9 C. 10 D. 11
10	Basic-principles of deductive logic were laid down by:	A. Euelid B. Leibniz C. Aristotle D. Newton
11	Onto function is also called	A. Binjective function B. Injective function C. Surjechive function D. None of these
12	Question Image	
13	The square roots of negative numbers is called	A. Real no B. Complex no C. Positive no D. Negative no
14	The in-centre of triangle whose vertices are (0,0), (5,12) and (16,12) is:	A. (9,7) B. (2,7) C. (9,2) D. (7,9)
15	$\forall a,b,c \in R, a > b \land b > c \Rightarrow a > c$ is	A. Trichotomy property B. Transitive property C. Symmetric property D. Additive property
16	The square root of 2i - 20i is	A. +-(5 - 2i) B. +-(5 + 2i) C. (5 - 2i) D. None of these
17	Period of Cotangent function is	A. π B. $-\pi$ C. 0 D. -2π
18	If $3x^4 + 4x^3 + x - 5$ is divided by $x + 1$, then the reminder is	A. 0 B. 7 C. -7 D. 5

19	Question Image	
20	Every prime number is also	A. Rational number B. Even number C. Irrational number D. Multiple of two numbers