ECAT Mathematics Chapter 1 Number System

Sr	Questions	Answers Choice
1	i =	
2	If a is any real number and a = a is called	A. symmetric property B. Trichotomy Properties C. Transitive Property D. Reflexive Properties
3	A prime number can be a factor of a square only if it occurs in the square at least	A. Once B. Thirce C. Twice D. None of these
4	Question Image	B. 1 C. -1
5	The set of positive integers, 0 and negative integers is known as the set of	A. Natural numbers B. Rational numbers C. All integers D. Irrational numbers
6	Name the property used in 4 x (5 x 8) = (4 x 5) x 8	A. Associative property of addition B. Associative property of multiplication C. Additive identity D. Multiplicative identity
7	The multiplicative inverse ofx^(-1) is	A. x B. a-2 C. 0 D. 1
8	What is the conjugate of -7 -2i ?	A. -7 + 2i B. 7 +2i C. 7 -2i D. √53
9	Question Image	
10	(7,9) +(3,-5) =	A. (4,4) B. (10,4) C. (9,-5) D. (7,3)
11	Question Image	
12	Question Image	A. a = a B. a < a C. a > a D. a²= a
13	In R, the additive inverse of a is	A. 0 B. 1 C. -a D. 1/a
14	∀x, y ∈ R, either x = y or x > y or x < y is	A. Transitive property B. Reflexive property C. Trichotomy property D. None of these
15	Question Image	
16	Question Image	
17	Question Image	A. Multiplication property B. Additive property C. Trichotomy property D. Transitive property of inequality
18	Name the property used in 4.1 + (-4.1) = 0	A. Additive inverse B. Multiplication inverse C. Additive identity D. Multiplication identity

19	The square roots of negative numbers is called	A. Real no B. Complex no C. Positive no D. Negative no
20	Multiplicative inverse of 0 is	A. 0 B. 1 C. ±1 D. Does not exist