ECAT Mathematics Chapter 1 Number System

Sr	Questions	Answers Choice
1	$i^{(4n+2)} = $ -------------------------------	A. 1 B. i C. -1 D. -i
2	If a > b or a < b than a = b is a	A. Additive property B. Transitive property C. Trichotomy property of inequality
3	$\sqrt{(-1b)} = ?$	A. b i B. -i b C. b2 D. i√b
4	$2/9, 5/7 \in R, (2\|9)(5\|7) = 10/63 \in R$ this property is called	A. Associative property B. Identity property C. Commutative property D. Closure property w.r.t multiplication
5	Question Image	A. A positive integer B. A negative integer C. A natural number D. An irrational number
6	$\forall a,b,c \in R, a > b \wedge b > c \Rightarrow a > c$ is	A. Trichotomy property B. Transitive property C. Symmetric property D. Additive property
7	Question Image	A. Commutative law of addition B. Associative law of addition C. Additive identity D. Additive inverse
8	Question Image	A. Principle of equality of fractions B. Rule for product of fraction C. Rule for quotient of fraction D. Golden rule of fractions
9	I is not	A. Real number B. Natural number C. Prime Number D. Whole Number
10	The multiplicative inverse of 0 is	A. 1 B. -1 C. 0 D. Does not exist
11	In R, the multiplicative identity is	A. 0 B. 1 C. -1 D. None
12	Question Image	
13	Question Image	A. Closure law of addition B. Closure law of multiplication C. Commutative law of addition D. Commutative law of multiplication
14	The property used in -3 <-2 ⇒0 <1	A. Commutative property B. Additive property of inequality C. Additive inverse D. Additive identity
15	Multiplicative inverse of 0 is	A. 0 B. 1 C. ±1 D. Does not exist
16	Question Image	A. Closure law of addition B. Associative law of addition C. Additive inverse

		D. Additive identity
17	Question Image	
18	Question Image	
19	If z_1= 2 + 6i and z_2= 3 + 7i, then which expression defines the product of $z_1$and z_2?	A. 36 + (-32)i B. -36 + 32i C. 6 + (-11)1 D. 0, +(-12)i
20	$\forall$x,y$\in$ R and x < 0, y < 0, which one is true	A. xy < o B. xy = o C. xy > o D. None of these