ECAT Mathematics Chapter 1 Number System

Sr	Questions	Answers Choice
1	Question Image	A. Closure law of addition B. Closure law of multiplication C. Commutative law of addition D. Commutative law of multiplication
2	Multiplicative inverse of 0 is	A. 0 B. 1 C. ±1 D. Does not exist
3	Question Image	
4	4/√49 is a	A. Irrational Number B. Prime Number C. Rational number D. Whole number
5	Question Image	A. Associative property of addition B. Associative property of multiplication C. Commutative property of addition D. Commutative property of multiplication
6	If z = (x,y) , then z^{-} =	A. (-x,y) B. (x,-y) C. (-x, -y) D. None of these
7	√x = _____ if is a prime number	A. Rational no B. Natural no C. Irrational no D. Complex no
8	Decimal part of irrational number is	A. Terminating B. Repeating only C. Neither repeating nor terminating D. Repeating and terminating
9	Question Image	
10	Question Image	A. 0 B. 1 C. -1 D. None of these
11	Question Image	D. None of these
12	If Z_1= 1 + i, Z_2= 2+3i, then $\|Z_2 - Z_1\|$ = ?	
13	Question Image	A. A complex number B. A rational number C. A natural number D. An irrational number
14	The property used in -3 <-2 ⇒0 <1	A. Commutative property B. Additive property of inequality C. Additive inverse D. Additive identity
15	The identity element with respect to subtraction is	A. 0 B. -1 C. 0 and 1 D. None of thes
16	The value of x and y when (x + iy)2 = 5 - 4i	A. x = 2, y = -1 B. x = -2, y = 1 C. x = 2, y = -i D. x = 2, y = 2
17	Total number of subsets that can be formed out of the set {a,b,c} is	A. 1 B. 4 C. 8 D. 12

18	Question Image	
19	Question Image	
20	Question Image	A. Commutative law of addition B. Associative law of addition C. Additive identity D. Additive inverse