ECAT (Pre-Eng) Mathematics For Chapter 1 Number System

Sr	Questions	Answers Choice
1	The set {0,-1} hold closure property under	A. Addition B. Both a & c C. Multiplication D. None of these
2	Decimal part of irrational number is	A. Terminating B. Repeating only C. Neither repeating nor terminating D. Repeating and terminating
3	The symbol of irrational is	A. W B. N C. Q D. Q'
4	Rational number is a number which can be written as a terminating decimal fraction or a	A. Non-terminating decimal fraction B. Non-recurring C. Recurring decimal fraction D. a, b and c
5	In R, the multiplicative inverse of a is	A. 0 B. 1 C. -a D. 1/a
6	In (x + iy) x is the known as	A. Imaginary part of complex number B. Real part of complex number C. Complex number D. None of above
7	The multiplicative inverse of 0 is	A. 1 B. -1 C. 0 D. Does not exist
8	Question Image	
9	Question Image	A. A rational number B. A irrational number C. An even integer D. A factor of 36
10	$\forall a, b, c \, \varepsilon \, R, a + c = b + c = > a = b$	A. Reflexive property B. Symmetric property C. Cancellations property w.r.t. addition D. Transitive property
11	$4/\sqrt{49}$ is a	A. Irrational Number B. Prime Number C. Rational number D. Whole number
12	(a, b) + (-a, -b) =	A. (0,0) B. (a, b) C. (-a, -b) D. (1, 1)
13	If a > b or a < b than a = b is a	A. Additive property B. Transitive property C. Trichotomy property of inequality
14	Multiplicative inverse of "1" is	A. 0 B. ±1 C. 1 D. {0,1}
15	Question Image	A. A positive integer B. A negative integer C. A natural number D. An irrational number
16	Zero is	A. An irrational number B. A rational number C. A negative integer

		D. A positive number
17	$\forall x, y \in R$, either $x = y$ or $x > y$ or $x < y$ is	A. Transitive property B. Reflexive property C. Trichotomy property D. None of these
18	If $Z_1 = 1 + i$, $Z_2 = 2+3i$, then $|Z_1 - Z_2| = ?$	
19	Question Image	A. Commutative law of addition B. Associative law of addition C. Additive identity D. Additive inverse
20	Question Image	A. Reflexive property B. Symmetric property C. Cancellations property w.r.t. addition D. Transitive property