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

Sr	Questions	Answers Choice
1	Question Image	
2	24 can be written as a product of	A. Odd factors B. Even factors C. Whole factors D. Prime factors
3	∀x,y,z ∈ R and z 0,then	A. x > y ⇒ xz > yz B. x<y ⇒ xz < yz C. x < y ⇒ xz > yz D. None of these
4	The multiplicative inverse of -3i is	A. 3i B. -3i C. -1/3i D. 1/3 i
5	Question Image	A. Rational B. Irrational C. Even D. Odd
6	The additive inverse of 2/3 is	A. 3/2 B. -2/3 C. -3/2 D. 0
7	∀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
8	(a +b*i*) -c (c +d*i*) =	A. (a +b) = (c +d) B. (a +c) + i(b +d) C. (a -c) + (c -d)i D. (a -c) +(b -d) i
9	The symbol of irrational is	A. W B. N C. Q D. Q'
10	Question Image	A. Associative law of multiplication B. Commutative law of addition C. Commutative law of multiplication D. Associative law of addition
11	The additive inverse of 1 is	A. 1 B. -1 C. 0 D. Does not exist
12	(a,0) x (c, 0) =	A. (0,ac) B. (ac, 0) C. (0,0) D. (a, c)
13	Question Image	A. A prime number B. An integer C. A whole number D. An irrational number
14	If 4 > b or a < b than a = b is a	A. Additive property B. Transitive property C. Trichotomy property of inequality D. None of above
15	Question Image	A. Additive property in R B. Multiplication property in R C. Cancellation property in R D. Distribution property in R
16	Gooch crucible is made of :	A. Brass. B. Porcelain. C. Bronze.

		D. Gold.
17	Which element is the additive inverse of (a,b) in Complex numbers	A. (a,0) B. (0,b) C. (a,b) D. (-a,-b)
18	Question Image	A. additive property B. multiplicative property C. additive inverse D. additive identity
19	In set builder notation the set {0,1,2,.....100} can be written as	A. {x / xε B ∧ x ≤ 100} B. {x / x ∈ W ∧ x < 101} C. {x / x ∈ Z ∧ x < 101} D. The set of first 100 whole numbers
20	The order axioms are satisfied by set of	A. C B. C and R C. R D. None of these