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

Sr	Questions	Answers Choice
1	The set of rationals numbers between 0 and I is	A. Finite B. Null set C. Infinite D. None of these
2	Question Image	A. additive property B. multiplicative property C. additive identity D. multiplicative identity
3	202.04 is an example of	A. Recurring decimals B. Non-recurring decimals C. Terminating decimals D. None of these
4	(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
5	The symbol of irrational is	A. W B. N C. Q D. Q'
6	Such fraction which can not be written in the form ofp⁄q where p,q and q≠ 0,such fractions are called.	A. Fractinal numbers B. Rational Numbers C. Even Numbers D. Whole Numbers
7	Question Image	A. Commutative property of addition B. Closure property of addition C. Additive inverse D. Associative property w.r.t. to addition
8	Any whole number can be written as a product of factors which are	A. Odd numbers B. Prime number C. Rational number D. Even number
9	Question Image	
10	(a,b) +(-a,-b) =	A. (0,0) B. (a,b) C. (-a,-b) D. (1,1)
11	The set { 1 , -1} is closed w.r.t.	A. Addition B. Multiplications C. Subtraction D. None of these
12	The polar form of complex number x ≠ I y =	A. r cos θ+ r sin θ B. r cos θ+ is sin θ C. cos θ+ r sin θ D. i cos θ+ i sin θ
13	Question Image	
14	Every recurring decimal represents	A. A natural number B. A rational number C. An irrational number D. A whole number
15	Question Image	
16	Question Image	A. 15 B. 15 i C. -15 i D. -15
17	Name the property used in 4 + 9 = 9 + 4	A. Associative property of addition B. Commutative property of addition C. Distributive property

		C. Distributive property D. Additive identity
18	1.4142135... is _____	A. A natural number B. A rational number C. A prime number D. An irrational number
19	3/4 is _____	A. An odd number B. An even number C. A natural number D. A rational number
20	∀a,b,c∈R and c>0,then	A. a>b ⇒ ac < bc B. a>b ⇒ ac > bc C. a<b ⇒ ac > bc D. None of these