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

Sr	Questions	Answers Choice
1	Question Image	A. N B. r C. 2r D. π
2	1/3 is a decimal	A. Recurring B. Terminating C. Non-terminating D. None of the above
3	(a+bi) - (c+di)=	A. (a+b) = (c+d) B. (a+c) + i(b+d) C. (a - c) + (c- d)i D. (a - c)+ (b - d)i
4	If a is any real number and a = a is called	A. symmetric property B. Trichotomy Properties C. Transitive Property D. Reflexive Properties
5	If z = (x,y) , then $\bar{z}$ =	A. (-x,y) B. (x,-y) C. (-x, -y) D. None of these
6	Question Image	
7	Question Image	A. Principle of equality of fractions B. Rule for product of fraction C. Rule for quotient of fraction
8	Question Image	
9	Name the property used in a (b-c) = ab - ac	A. commutative property of multiplication B. distributive property of multiplication C. associative property of multiplication D. multiplicative inverse
10	Question Image	
11	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
12	If a and b are real numbers then a+b is also real number this law is called	A. associative law of addition B. closure law of addition C. Distributive law of addition D. Commutative law of addition
13	∀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
14	Question Image	A. A rational number B. A irrational number C. An even integer D. A factor of 36
15	I is not	A. Real number B. Natural number C. Prime Number D. Whole Number
16	Question Image	

17	√2 +√3 +√5) = (√2 +√3 +√5: this property is called	A. associative property w.r.t addition B. commutative property C. Closure property w.r.t addition D. Additive identity
18	Question Image	
19	A non-terminating, non-recurring decimal represent	A. A natural number B. A rational number C. An irrational number D. A prime number
20	(7,9) +(3,-5) =	A. (4,4) B. (10,4) C. (9,-5) D. (7,3)