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

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. Associative property of addition B. Commutative property of addition C. Distributive property D. Additive identity
3	In R, the multiplicative identity is	A. 0 B. 1 C. -1 D. None
4	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
5	For any real numbers x,y,xy=o ⇒	A. x ≠ 0 ∧ y ≠ 0 B. x = 0 ∨ y = 0 C. x = 0 D. y = 0
6	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
7	Question Image	A. (a + b)c = a . c + bc B. a + b = b + a C. (a + b) + c = a + (b + c) D. a(b+ c) = ab + ac
8	Question Image	A. 1 B. -1
9	Question Image	A. Associative law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
10	Associative law of multiplication	A. ab - ba B. a(bc) = (ab) c C. a(b + c) = ab +ac D. (a +b)c = ac + bc
11	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
12	Question Image	
13	If z_1 =√-36 ,z_2 =√-25,z3 =√-16 then	A. 15 B. 15i C. -15i D. -15
14	2.333....is a	A. Irrational no B. Complex no C. Rational no D. None of these
15	3/2 is	A. An irrational number B. Whole number C. A positive integer D. A rational number
16	¡^{101}=	A. i B. i² C. -i D. -1
17	The multiplicative inverse of 4 is	A. -4 B. -1/4 C. 1/4

		D. 1
18	The set {1,2,3,4.....} is called	A. Set of natural numbers B. Set of whole numbers C. Set of rational number D. Set of irrational numbers
19	i^2 =	A. 1 B. 2 C. -1 D. 0
20	Question Image	A. Closure law of addition B. Associative law of addition C. Additive inverse D. Additive identity