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

Sr	Questions	Answers Choice
1	Question Image	A. Set of whole number B. Rational Numbers C. Complex numbers D. Whole numbers
2	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
3	If Z_1 = 1+ i, Z_2 = 2+3i , then $\|Z_1 - Z_2\|$ =?	A. √5 B. √7 C. -1-2i D. √3
4	(7,9) +(3,-5) =	A. (4,4) B. (10,4) C. (9,-5) D. (7,3)
5	Question Image	A. 0 B. 1 C. -1 D. None of these
6	Question Image	A. (x, y) B. (kx, y) C. (x, ky) D. (kx, ky)
7	$a.a^{-1} = a^{-1}.a = 1$ is a	A. Commutative law of multiplication B. Multiplicative identity C. Associative law of multiplication D. Multiplicative inverse
8	Question Image	B. 1 D. -1
9	Every real number is	A. A complex number B. A rational number C. A natural number D. A prime number
10	(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
11	Any recurring decimal represents a	A. Irrational no B. Integer C. Rational no D. None of these
12	The set of rational number is represented by	A. W B. R C. Q' D. Q
13	Question Image	
14	Question Image	
15	The value of x, and y, when $(x + iy)^2 = 5 + 4i$	A. X = 2, y = -1 B. X = -2, y=1 C. X = 2, y = -1 D. X = 2, y = 2
16	O is _____	A. A positive integer B. A negative integer C. A natural number D. An integer
17	Question Image	A. x C. y

18	Question Image	
19	Question Image	A. Associative property of addition B. Commutative property of addition C. Distributive property D. Additive identity
20	Additive inverse of - a - b is	A. a B. -a + b C. a - b D. a + b