ECAT Mathematics Chapter 1 Number System

Sr	Questions	Answers Choice
1	Question Image	A. 15 B. 15 i C. -15 i D. -15
2	Question Image	
3	Question Image	A. Associative law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
4	Question Image	A. Rule of quotient of fraction B. Golden rule of fraction C. Rule for product of fraction D. Principle for equality of fraction
5	If $Z_1 = 1 + i$, $Z_2 = 2+3i$, then $|Z_2 - Z_1| = ?$	
6	$(7,9) + (3,-5) =$	A. (4,4) B. (10,4) C. (9,-5) D. (7,3)
7	Question Image	A. A natural number B. A rational number C. An irrational number D. A whole number
8	It is not possible to find the exact value of	A. π B. $\sqrt{9}$ C. $\sqrt[3]{27}$ D. $\sqrt{1}$
9	The multiplicative inverse of 2/3 is	A. 3/2 B. -2/3 C. -3/2 D. 1
10	Question Image	A. Associative law of multiplication B. Commutative law of addition C. Commutative law of multiplication D. Associative law of addition
11	Question Image	A. Additive property in R B. Multiplication property in R C. Cancellation property in R D. Distribution property in R
12	If $Z_1 = 1+ i$, $Z_2 = 2+3i$, then $|Z_1 - Z_2| = ?$	A. $\sqrt{5}$ B. $\sqrt{7}$ C. -1-2i D. $\sqrt{3}$
13	Question Image	
14	Question Image	
15	The symbol of irrational is	A. W B. N C. Q D. Q<i>'</i>
16	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
17	The $\sqrt{}$ is used for the	A. Positive square root B. Negative square root C. +ve and -ve square root D. Whole number
		A. additive property B. multiplication property

18	Question Image	
19	$\forall x, y, z \in R$ and z 0, then	A. $x > y \Rightarrow xz > yz$ B. $x < y \Rightarrow xz < yz$ C. $x < y \Rightarrow xz > yz$ D. None of these
20	If $Z = (1,2)$, then $Z^{-1} = ?$	A. $(0.2, 0.4)$ B. $(-0.2, 0.4)$ C. $(0.2, -0.4)$ D. $(-0.2, -0.4)$