

ECAT Mathematics Chapter 1 Number System

Sr	Questions	Answers Choice
1	If P is a whole number greater than 1, which has only P and 1 as factors. Then P is called	A. Whole number B. Prime number C. Even number D. Odd number
2	$3.5 + 5.4 = 5.4 + 3.5 = 8.9$ this property of addition is called	A. additive identity B. associative property C. commutative property D. closure property
3	$(a, 0) \times (c, 0) =$	A. $(0, ac)$ B. $(ac, 0)$ C. $(0, 0)$ D. (a, c)
4	The equation $ x + 4 = x$ has solution	A. $x = -2$ B. $x = 2$ C. $x = -4$ D. $x = 4$
5	In R, the additive identity is	A. 0 B. 1 C. -1 D. None
6	What is the conjugate of $-6 - i$	A. $-6 + i$ B. $6 + i$ C. $-6 - i$ D. $6 - i$
7	Question Image	A. Principle of equality of fractions B. Rule for product of fractions C. Golden rule for fractions D. Rule for quotient of fractions
8	Question Image	A. A rational number B. An irrational number C. An odd number D. A prime number
9	Question Image	
10	If $z_1 = (a, b)$, $z_2 = (c, d)$, then $z_1 z_2 =$ -----	A. (ac, bd) B. $(ac + bd, ad - bc)$ C. $(ac - bd, ad + bc)$ D. $(ac - bd, ad - bc)$
11	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
12	If $a > b$ or $a < b$ then $a = b$ is a	A. Additive property B. Transitive property C. Trichotomy property of inequality D. None of above
13	Question Image	B. 1 C. -1
14	$\forall x, y, z \in \mathbb{R}$ and $z \neq 0$, then	A. $x > y \Rightarrow xz > yz$ B. $x < y \Rightarrow xz < yz$ C. $x < y \Rightarrow xz > yz$ D. None of these
15	Question Image	A. real part of z B. imaginary part of z C. conjugate of z D. modulus of z
		A. A rational number

16	$\sqrt{23}$ is	B. A irrational number C. An even integer D. A factor of 36
17	Question Image	A. A positive integer B. A negative integer C. A natural number D. An irrational number
18	Question Image	A. Associate law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
19	Question Image	A. Closure law of addition B. Closure law of multiplication C. Commutative law of addition D. Commutative law of multiplication
20	Question Image	