

## 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 are 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	$\forall x,y,z \in R$ 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 B. An irrational number C. An odd number D. A prime 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