

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

Sr	Questions	Answers Choice
1	If a and b are real numbers then $a+b$ is also real number this law is called	A. associative law of addition B. closure law of addition C. Distributive law of addition D. Commutative law of addition
2	Question Image	
3	Question Image	
4	Question Image	
5	Question Image	A. 0 B. 1 C. -1 D. 2
6	Question Image	A. $(a + b)c = ac + bc$ B. $a + b = b + a$ C. $(a + b) + c = a + (b + c)$ D. $a(b + c) = ab + ac$
7	Question Image	A. additive property B. multiplicative property C. additive identity D. multiplicative identity
8	Question Image	A. N B. r C. $2r$ D. π
9	Question Image	
10	Question Image	A. x C. y
11	O is _____	A. A positive integer B. A negative integer C. A natural number D. An integer
12	The multiplicative inverse of $1 - 2i$ is	
13	Question Image	
14	Multiplicative inverse of 0 is	A. 0 B. 1 C. ± 1 D. Does not exist
15	Every natural number is	A. A prime number B. An irrational number C. An integer D. An even number
16	$\forall x, y \in \mathbb{R}$, either $x = y$ or $x > y$ or $x < y$ is	A. Transitive property B. Reflexive property C. Trichotomy property D. None of these
17	$a \cdot a^{-1} = a^{-1} \cdot a = 1$ is a	A. Commutative law of multiplication B. Multiplication identity C. Associative law of multiplication D. Multiplication inverse
18	The set of natural no. is closed under	A. multiplication B. subtraction C. difference D. division

19 Rational number is a number which can be written as a terminating decimal fraction or a

- A. Non-terminating decimal fraction
- B. Non-recurring
- C. Recurring decimal fraction
- D. a, b and c

20 If $z = (x, y)$, then $z^- =$

- A. $(-x, y)$
- B. $(x, -y)$
- C. $(-x, -y)$
- D. None of these