

ECAT Mathematics Chapter 1 Number System

Sr	Questions	Answers Choice
1	Question Image	A. (x, y) B. (kx, y) C. (x, ky) D. (kx, ky)
2	The set {1, 2, 3, 4, ...} is called	A. Set of Natural numbers B. Set of whole numbers C. Set of rational number D. Set of irrational numbers
3	$i^{101} =$	A. i B. $i^{>2</sup></sup>$ C. -i D. -1
4	Question Image	A. $a = a$ B. $a < a$ C. $a > a$ D. $a^{>2</sup></sup> = a$
5	Multiplicative inverse of "1" is	A. 0 B. ± 1 C. 1 D. {0,1}
6	$\frac{3}{2}$ is	A. An irrational number B. Whole number C. A positive integer D. A rational number
7	$\forall a \in \mathbb{R} \exists o \in \mathbb{R}$ such that $a + v = 0 + a = a$ is property of	A. Commutative law of addition B. Associative law of addition C. Additive identity D. Additive inverse
8	For each real number, there is a number which is its	A. Negative B. Positive C. Opposite D. Similar
9	$\frac{1}{3}$ is _____	A. A prime number B. An integer C. A rational number D. An irrational number
10	The solution set of the equation $ 3x + 2 = 5$ is	
11	If in a set of real no a is multiplicative identity then	A. $a, a = a^{>2</sup></sup>$ B. $a, a = 1$ C. $a, a = 0$ D. None of these
12	$\sqrt{2}$ is a number	A. Rational B. Irrational C. Even D. Odd
13	The negative square root of 9 can be written as:	A. $-\sqrt{9}$ B. $\sqrt{9}$ C. $\sqrt{18}$ D. $-\sqrt{18}$
14	The additive inverse of $\frac{2}{3}$ is	A. $\frac{3}{2}$ B. $-\frac{2}{3}$ C. $-\frac{3}{2}$ D. 0
15	Zero is	A. An irrational number B. A rational number C. A negative integer D. A positive number
16	$Q \cup Q' =$	A. Q B. Q' C. N

D. R

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Such fraction which can not be written in the form of $\frac{p}{q}$ where p, q and $q \neq 0$, such fractions are called.

- A. Fractinal numbers
- B. Rational Numbers
- C. Even Numbers
- D. Whole Numbers

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Every irrational number is

- A. A real number
- B. A prime number
- C. A natural number
- D. An integer

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Every whole number is

- A. A real number
- B. An irrational number
- C. A prime number
- D. A negative integer

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Question Image