

ECAT Mathematics Chapter 1 Number System

Sr	Questions	Answers Choice
1	Zero is	A. An irrational number B. A rational number C. A negative integer D. A positive number
2	Question Image	D. None of these
3	Question Image	A. 1 B. -1
4	Every irrational number is	A. A real number B. A prime number C. A natural number D. An integer
5	Question Image	A. Principle of equality of fractions B. Rule for product of fraction C. Rule for quotient of fraction
6	For each real number, there is a number which is its	A. Negative B. Positive C. Opposite D. Similar
7	Question Image	A. Additive property in R B. Multiplication property in R C. Cancellation property in R D. Distribution property in R
8	Question Image	
9	The square roots of negative numbers is called	A. Real no B. Complex no C. Positive no D. Negative no
10	$Q \cup Q'$ =	A. Q B. Q' C. N D. R
11	Which element is the additive inverse of (a, b) in Complex numbers?	A. (a, 0) B. (0, b) C. (a, b) D. (-a, -b)
12	If $z_1 = \sqrt{-36}$, $z_2 = \sqrt{-25}$, $z_3 = \sqrt{-16}$ then	A. 15 B. 15i C. -15i D. -15
13	Question Image	A. 0 B. 1 C. -1 D. None of these
14	Question Image	A. Rational B. Irrational C. Natural D. Odd
15	$i^2 =$	A. 1 B. 2 C. -1 D. 0
16	If $Z_1 = 1 + i$, $Z_2 = 2 + 3i$, then $ Z_1 - Z_2 = ?$	
17	$i^{101} =$	A. i B. $i^{>2}</sup>$ C. -i D. -1
18	Question Image	A. x

18		C. y
19		A. Associative law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
20	In R , the additive inverse of a is	A. 0 B. 1 C. $-a$ D. $1/a$