

## ECAT Mathematics Chapter 1 Number System

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Closure law of addition B. Closure law of multiplication C. Commutative law of addition D. Commutative law of multiplication
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. A complex number B. A rational number C. A natural number D. An irrational number
3	$\sqrt{-1} b =$	A. b B. 2 C. 2b D. None of these
4	A prime number can be a factor of a square only if it occurs in the square at least	A. Once B. Thirce C. Twice D. None of these
5	If $Z_1 = 1 + i$ , $Z_2 = 2 + 3i$ , then $ Z_2 - Z_1  = ?$	
6	$\forall z \in C$ , multiplucative is	A. (1,1) B. (1,0) C. (0,1) D. None of these
7	The multiplicative inverse of 1 is	A. 1 B. -1 C. 0 D. Does not exist
8	Which of the following has the same value as $i^{113}$ ?	A. i B. -1 C. -i D. 1
9	In polar form of complex number r =	
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. A natural number B. A rational number C. An irrational number D. A whole number
12	202.04 is an example of	A. Recurring decimals B. Non-recurring decimals C. Terminating decimals D. None of these
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Additive property in R B. Multiplication property in R C. Cancellation property in R D. Distribution property in R
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
15	If $A = \{x / x \in R \wedge x^2 - 16 = 0\}$ then $A =$	A. - x B. Infinite set C. $\phi$ D. $\{-4,4\}$
16	14 is not a	A. Prime number B. Whole number C. Even number D. Real number
17	The set of positive integers, 0 and negative integers is known as the set of	A. Natural numbers B. Rational numbers C. All integers D. Irrational numbers
		A. Multiplication property

- 18  B. Additive property  
C. Trichotomy property  
D. Transitive property of inequality
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- 19 The set  $\{1, 2, 3, 4, \dots\}$  is called A. Set of Natural numbers  
B. Set of whole numbers  
C. Set of rational number  
D. Set of irrational numbers
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- 20  A. Associate law of addition  
B. Commutative law of addition  
C. Additive identity  
D. Closure law of addition
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