


## ECAT Mathematics Chapter 1 Number System

Sr	Questions	Answers Choice
1	If a set S contains n elements then P (S) has ..... number of elements	A. $2^n$ B. $2^{n-1}$ C. 2.n D. $n^2$
2	Question Image <input style="width: 100%;" type="text"/>	
3	Question Image <input style="width: 100%;" type="text"/>	A. Commutative law of addition B. Associative law of addition C. Additive identity D. Additive inverse
4	Question Image <input style="width: 100%;" type="text"/>	A. additive property B. multiplicative property C. additive inverse D. additive identity
5	In R, the additive identity is	A. 0 B. 1 C. -1 D. None
6	The multiplicative inverse of (a,b) is	
7	6 is	A. A prime integer B. An irrational number C. A rational number D. An odd integer
8	Question Image <input style="width: 100%;" type="text"/>	A. Associative law of multiplication B. Commutative law of addition C. Commutative law of multiplication D. Associative law of addition
9	$a > b \Rightarrow a + c > b + c$ is known as	A. Trichotomy property B. Additive property of inequality C. Transitive property D. Multiplicative property
10	Total number of subsets that can be formed out of the set {a,b,c} is	A. 1 B. 4 C. 8 D. 12
11	Question Image <input style="width: 100%;" type="text"/>	A. A rational number B. An irrational number C. An odd number D. A prime number
12	Name the property used in $1000 \times 1 = 1000$	A. additive inverse B. multiplicative inverse C. additive identity D. multiplicative identity
13	$i =$	
14	Name the property used in $4 \times (5 \times 8) = (4 \times 5) \times 8$	A. Associative property of addition B. Associative property of multiplication C. Additive identity D. Multiplicative identity
15	Question Image <input style="width: 100%;" type="text"/>	A. Principle of equality of fractions B. Rule for product of fraction C. Rule for quotient of fraction
16	$(a^{-1})^{-1} =$	A. $a^{-1}$ B. a C. -a D. None of above
17	Question Image <input style="width: 100%;" type="text"/>	A. (0,ac)

18  $(a,0) \times (c,0) =$

- B.  $(ac,0)$
- C.  $(0,0)$
- D.  $(a,c)$

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- A. Trichotomy property
- B. Additive property of inequality
- C. Transitive property
- D. Multiplicative property

20 2.333... is a

- A. Irrational no
- B. Complex no
- C. Rational no
- D. None of these