

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

Sr	Questions	Answers Choice
1	Total number of subsets that can be formed out of the set {a,b,c} is	A. 1 B. 4 C. 8 D. 12
2	If a set S contains n elements then P (S) has number of elements	A. 2 ⁿ B. 2 ⁿ² C. 2.n D. n ²
3	Question Image	A. Associative property of addition B. Commutative property of addition C. Distributive property D. Additive identity
4	Question Image	
5	$\sqrt{25}$ is a number	A. Rational B. Irrational C. Natural D. Odd
6	∀a,b,c∈R and c>0,then	A. a>b ⇒ ac < bc B. a>b ⇒ ac > bc C. a <b ac="" ⇒=""> bc D. None of these
7	Question Image	A. real number B. complex number C. rational number D. irrational number
8	$(\sqrt{3}+\sqrt{5})+\sqrt{7}=\sqrt{3}+(\sqrt{5}+\sqrt{7})$ property used in above is	A. Commutative property of addition B. Closure property of addition C. Additive inverse D. Associative property w.r.t to adition
9	l is not	A. Real number B. Natural number C. Prime Number D. Whole Number
10	In (x + iy), y is called as	A. Imaginary part B. Complex number C. Real part D. None of above
11	Question Image	
12	Question Image	A. z is purely imaginary B. a is any complex number C. z is real D. None of these
13	A subset of set of complex number whose elements are of the form (a,0) is called	A. Real number B. Complex number C. Rational number D. Irrational number
14	In R the right cancellation property w.r.t. addition is	
15	Question Image	
16	1.4142135 is	A. A natural numberB. A rational numberC. A prime numberD. An irrational number
17	Question Image	A. Principle of equality of fractions B. Rule for product of fractions C. Golden rule for fractions D. Rule for quotient of fractions

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18	i ³ =	A1 B. i Ci D. 1
19	0.25 is	A. An irrational number B. A natural number C. A prime number D. A rational number
20	Question Image	A. 15 B. 15 i C15 i D15