


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

Sr	Questions	Answers Choice
1	$i^3 =$	A. -1 B. i C. -i D. 1
2	Question Image	A. 15 B. 15 i C. -15 i D. -15
3	Question Image	A. Additive property of inequality B. Commutative property C. Additive inverse D. Additive identity
4	If $a > b$ or $a < b$ than $a = b$ is a	A. Additive property B. Transitive property C. Trichotomy property of inequality
5	Question Image	A. additive property B. multiplicative property C. additive identity D. multiplicative identity
6	The product of complex numbers (a,b) and (c,d) is	A. (ac, bd) B. (ac-bd, ad+bc) C. (ab,cd) D. (ac+bd,ad-bc)
7	Question Image	A. 1 B. 3 C. 2-i D. -1
8	$\forall x,y \in \mathbb{R}$ and $x > 0, y > 0$, if $x > y$	D. None of these
9	$\forall x,y \in \mathbb{R}$ and $x < 0, y < 0$, which one is true	A. $xy < 0$ B. $xy = 0$ C. $xy > 0$ D. None of these
10	Question Image	A. Associative law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
11	Question Image	A. A rational number B. An irrational number C. An odd number D. A prime number
12	Question Image	
13	Question Image	
14	Name the property used in $1000 \times 1 = 1000$	A. additive inverse B. multiplicative inverse C. additive identity D. multiplicative identity
15	It is not possible to find the exact value of	A. π B. $\sqrt{9}$ C. $\sqrt[3]{27}$ D. $\sqrt{1}$
16	A non-terminating, non-recurring decimal represent	A. A natural number B. A rational number C. An irrational number D. A prime number
17	$4/\sqrt{49}$ is a	A. Irrational Number B. Prime Number C. Rational number D. Whole number

18	Gooch crucible is made of :	A. Brass. B. Porcelain. C. Bronze. D. Gold.
19	$\forall a,b,c \in \mathbb{R}$ and $c > 0$, then	A. $a > b \Rightarrow ac < bc$ B. $a > b \Rightarrow ac > bc$ C. $a < b \Rightarrow ac > bc$ D. None of these
20		A. Rational B. Irrational C. Even D. Odd
