

Mathematics ECAT Pre Engineering Chapter 1 Number System Online Test

Sr	Questions	Answers Choice
1	$(a^{-1})^{-1} =$	A. a^{-1} B. a C. $-a$ D. None of above
2	Question Image	A. Trichotomy property B. Additive property of inequality C. Transitive property D. Multiplicative property
3	Question Image	A. Multiplication property B. Additive property C. Trichotomy property D. Transitive property of inequality
4	If $4 > b$ or $a < b$ than $a = b$ is a	A. Additive property B. Transitive property C. Trichotomy property of inequality D. None of above
5	Question Image	A. Symmetric property B. Cancellation property w.r.t. multiplication C. Reflexive property D. Transitive property
6	Question Image	A. Reflexive property B. Symmetric property C. Cancellations property w.r.t. addition D. Transitive property
7	Question Image	A. Commutative law of multiplication B. Closure law of multiplication C. Associative law of multiplication D. Multiplication identity
8	$a \cdot a^{-1} = a^{-1} \cdot a = 1$ is a	A. Commutative law of multiplication B. Multiplication identity C. Associative law of multiplication D. Multiplication inverse
9	Associative law of multiplication	A. $ab = ba$ B. $a(bc) = (ab)c$ C. $a(b+c) = ab + ac$ D. $(a+b)c = ac + bc$
10	Question Image	A. Commutative law of addition B. Associative law of addition C. Additive identity D. Additive inverse
11	Question Image	A. Closure law of addition B. Associative law of addition C. Additive inverse D. Additive identity
12	Question Image	A. N B. r C. 2r D. π
13	$\frac{1}{3}$ is a decimal	A. Recurring B. Terminating C. Non-terminating D. None of the above
14	202.04 is an example of	A. Recurring decimals B. Non-recurring decimals C. Terminating decimals D. None of the above

		D. None of above
15	Question Image	A. Rational B. Irrational C. Even D. Odd
16	Question Image	A. Rational B. Irrational C. Natural D. Odd
17	The symbol of irrational is	A. W B. N C. Q D. Q'
18	QUQ'	
19	Question Image	A. Set of whole number B. Rational Numbers C. Complex numbers D. Whole numbers
20	The set {1, 2, 3, 4,} is called	A. Set of Natural numbers B. Set of whole numbers C. Set of rational number D. Set of irrational numbers
21	Geometrically, the modulus of a complex number represents its distance from the	A. Point (1, 0) B. Point (0, 1) C. Point (1, 1) D. Point (0, 0)
22	Question Image	
23	The multiplicative inverse of $1 - 2i$ is	
24	The square root of $2i - 20i$ is	A. $\pm(5 - 2i)$ B. $\pm(5 + 2i)$ C. $(5 - 2i)$ D. None of these
25	The value of x, and y, when $(x + iy)^2 = 5 + 4i$	A. $X = 2, y = 1$ B. $X = -2, y = 1$ C. $X = 2, y = -1$ D. $X = 2, y = 2$
26	Question Image	A. $-3 - 2i$ B. $3 + 2i$ C. $1 + 2i$ D. $1 - 2i$
27	What is the conjugate of $-7 - 2i$?	A. $-7 + 2i$ B. $7 + 2i$ C. $7 - 2i$ D. None of these
28	Question Image	
29	The equation $ x + 4 = x$ has solution	A. $x = -2$ B. $x = 2$ C. $x = -4$ D. $x = 4$
30	The solution set of the equation $ 3x + 2 = 5$ is	