

ECAT Pre Engineering Entry Test

Sr	Questions	Answers Choice
1	Question Image	A.
2	$i^2 =$	A. 1 B. 2 C. -1 D. 0
3	$(a,0) \times (c, 0) =$	A. (0,ac) B. (ac, 0) C. (0,0) D. (a, c)
4	$(a, b) + (-a, -b) =$	A. (0,0) B. (a, b) C. (-a, -b) D. (1, 1)
5	Question Image	
6	$(a+bi) - (c+di) =$	A. $(a+b) = (c+d)$ B. $(a+c) + i(b+d)$ C. $(a - c) + (c - d)i$ D. $(a - c) + (b - d)i$
7	$i^3 =$	A. -1 B. i C. -i D. 1
8	In $(x + iy)$, y is called as	A. Imaginary part B. Complex number C. Real part D. None of above
9	$i =$	
10	Question Image	A. Additive property of inequality B. Commutative property C. Additive inverse D. Additive identity
11	Question Image	A. Commutative property of addition B. Closure property of addition C. Additive inverse D. Associative property w.r.t. to addition
12	Question Image	A. Rule of quotient of fraction B. Golden rule of fraction C. Rule for product of fraction D. Principle for equality of fraction
13	Question Image	A. Principle of equality of Fractions B. Rule for product of fraction C. Golden rule of fraction D. Rule of quotient of Fraction
14	$(a^{-1})^{-1} =$	A. $a^{\sup>-1\sup>}$ B. a C. -a D. None of above
15	Question Image	A. Trichotomy property B. Additive property of inequality C. Transitive property D. Multiplicative property
16	Question Image	A. Multiplication property B. Additive property C. Trichotomy property D. Transitive property of inequality
17	If $4 > b$ or $a < b$ than $a = b$ is a	A. Additive property B. Transitive property C. Trichotomy property of inequality

		C. Transitive property of inequality D. None of above
18	Question Image	A. Symmetric property B. Cancellation property w.r.t. multiplication C. Reflexive property D. Transitive property
19	Question Image	A. Reflexive property B. Symmetric property C. Cancellations property w.r.t. addition D. Transitive property
20	Question Image	A. Commutative law of multiplication B. Closure law of multiplication C. Associative law of multiplication D. Multiplication identity
21	$a \cdot a^{-1} = a^{-1} \cdot a = 1$ is a	A. Commutative law of multiplication B. Multiplication identity C. Associative law of multiplication D. Multiplication inverse
22	Associative law of multiplication	A. $ab = ba$ B. $a(bc) = (ab)c$ C. $a(b+c) = ab + ac$ D. $(a + b)c = ac + bc$
23	Question Image	A. Commutative law of addition B. Associative law of addition C. Additive identity D. Additive inverse
24	Question Image	A. Closure law of addition B. Associative law of addition C. Additive inverse D. Additive identity
25	Question Image	A. N B. r C. 2r D. <i>π</i>
26	$\frac{1}{3}$ is a decimal	A. Recurring B. Terminating C. Non-terminating D. None of the above
27	202.04 is an example of	A. Recurring decimals B. Non-recurring decimals C. Terminating decimals D. None of above
28	Question Image	A. Rational B. Irrational C. Even D. Odd
29	Question Image	A. Rational B. Irrational C. Natural D. Odd
30	The symbol of irrational is	A. W B. N C. Q D. Q'