

## **ECAT Mathematics Online Test**

Sr	Questions	Answers Choice
1	(7, 9) + (3, -5) =	A. (4, 4) B. (10, 4) C. (9, -5) D. (7, 3)
2	Question Image	A.
3	i <sup>2</sup> =	A. 1 B. 2 C1 D. 0
4	$(a,0) \times (c,0) =$	A. (0,ac) B. (ac, 0) C. (0,0) D. (a, c)
5	(a, b) + (-a, -b) =	A. (0,0) B. (a, b) C. (-a, -b) D. (1, 1)
6	Question Image	
7	(a+bi) - (c+di)=	A. $(a+b) = (c+d)$ B. $(a+c) + i(b+d)$ C. $(a-c) + (c-d)i$ D. $(a-c) + (b-d)i$
8	i <sup>3</sup> =	A1 B. i Ci D. 1
9	In (x + iy), y is called as	A. Imaginary part B. Complex number C. Real part D. None of above
10	i =	
11	Question Image	A. Additive property of inequality B. Commutative property C. Additive inverse D. Additive identity
12	Question Image	A. Commutative property of addition     B. Closure property of addition     C. Additive inverse     D. Associative property w.r.t. to addition
13	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
14	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
15	(a <sup>-1</sup> ) <sup>-1</sup> =	A. a <sup>-1</sup> B. a Ca D. None of above
16	Question Image	A. Trichotomy property B. Additive property of inequality C. Transitive property D. Multiplicative property
17	Question Image	A. Multiplication property B. Additive property C. Trichotomy property

D. None of above  A. Symmetric property B. Symmetric property Caracterization property w.r.t. Children property D. Transitive property D. Transitive property D. Transitive property D. Transitive property D. Symmetric property D. Mulpication Integration D. Non-terminal property D. Additive dentity D. Additive			D. Transitive property of inequality
Sectional lange   Sectional	18	If 4 > b or a < b than a = b is a	B. Transitive property C. Trichotomy property of inequality
B. Symmetric property C. Cancellations property wr.t. addition D. Transitive property  A. Commutative law of multiplication D. C. Associative law of multiplication D. Transitive property  A. Commutative law of multiplication D. Symmetric property  A. Commutative law of multiplication D. Multiplication indentity D. Associative law of addition D. Multiplication indentity D. Associative law of addition D. Multiplication indentity D. Additive inverse D. (a + b) = b = a + bc D. (a + b) = a + bc D. (a + b) = a + bc D. (a + b) = a + bc D. (a + bc) = a +	19	Question Image	B. Cancellation property w.r.t. multiplication C. Reflexive property
21 Question Image  C. Closure Iaw of multiplication D. Multiplication of multiplication D. Multiplication identity  C. Associative law of multiplication identity D. Multiplication identity D. Associative law of multiplication D. Multiplication identity D. Associative law of multiplication D. Multiplication identity D. Associative law of multiplication D. A ab = ba D. (a + b)c = ab + ac D. (a + b)c = ac + bc D. (a	20	Question Image	B. Symmetric property C. Cancellations property w.r.t. addition
22 a.a <sup>-1</sup> = a <sup>-1</sup> .a = 1 is a  23 Associative law of multiplication  24 Question Image  25 Question Image  26 Question Image  27 1/3 is a decimal  28 202.04 is an example of  29 Question Image  20 Question Image  20 Question Image  21 1/3 is a decimal  22 Question Image  23 Associative law of multiplication  24 Question Image  25 Question Image  26 Question Image  27 1/3 is a decimal  28 202.04 is an example of  29 Question Image  20 Question Image  20 Question Image  20 Question Image  21 A Recurring decimals B. Non-recurring decimals C. Terminating decimals C. Terminating decimals C. Terminating decimals B. Irational  29 Question Image  20 Question Image  20 Question Image  20 Question Image  21 A Recurring decimals B. Irrational  22 Question Image  23 Question Image  24 A Returning decimals B. Irrational  25 Question Image  26 Question Image  27 A Returning decimals B. Irrational  28 Participal Image  29 Question Image  20 Question Image  20 Question Image  20 Question Image  21 A Returning B. Irrational  22 Question Image  23 Participal Image  24 A Returning B. Irrational  25 Question Image  26 Question Image  27 A Rational  28 B. Irrational  29 Question Image	21	Question Image	C. Associative law of multiplication
Associative law of multiplication  24 Question Image  A Commutative law of addition B. Associative law of addition C. Additive inverse  A Closure law of addition C. Additive inverse  A Cosure law of addition C. Additive inverse  D. Additive inverse D. Additive inve	22	$a.a^{-1}=a^{-1}.a=1$ is a	C. Associative law of multiplication
24 Question Image  B. Associative law of addition C. Additive inverse  A. Closure law of addition B. Associative law of addition B. Associative law of addition C. Additive inverse D. Agditive inverse D. Agd	23	Associative law of multiplication	B. $a(bc) = (ab) c$ C. $a(b+c) = ab + ac$
B. Associative law of addition C. Additive inverse D. Additive inverse D. Additive identity  A. N. B. r. C. 2r. D. <span style='color: rgb(34, 34, 34); font-family: ",Times New Roman" font-size: 24px, text-align: center; background-color: rgb(255, 255, 248);'><i>¬т</i>¬t&gt;&gt; √span &gt;  A. Recurring B. Terminating C. Non-terminating D. None of the above  A. Recurring decimals B. Non-recurring decimals B. Non-recurring decimals C. Terminating decimals D. None of above  A. Rational B. Irrational C. Even D. Odd  A. Rational B. Irrational B. Irrational</span>	24	Question Image	B. Associative law of addition C. Additive identity
B. r C. 2r D. <span style='color: rgb(34, 34, 34); font-family: " Times New Roman" font-size: 24px, text-align: center; background-color: rgb(255, 255, 248);'><i>z4px, text-align: center; background-color: rgb(255, 255, 248);"&gt;<i>yspan&gt;  A. Recurring B. Terminating C. Non-terminating D. None of the above  A. Recurring decimals B. Non-recurring decimals C. Terminating decimals D. None of above  A. Rational B. Irrational C. Even D. Odd  A. Rational B. Irrational B. Irrational B. Irrational B. Irrational</i></i></span>	25	Question Image	B. Associative law of addition     C. Additive inverse
27 1/3 is a decimal  B. Terminating C. Non-terminating D. None of the above  A. Recurring decimals B. Non-recurring decimals C. Terminating decimals D. None of above  A. Rational B. Irrational C. Even D. Odd  A. Rational B. Irrational B. Irrational C. Even D. Odd	26	Question Image	B. r C. 2r D. <span style='color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 24px; text-align: center; background-color: rgb(255, 255, 248);'><i>π</i></span>
28 202.04 is an example of  B. Non-recurring decimals C. Terminating decimals D. None of above  A. Rational B. Irrational C. Even D. Odd  A. Rational B. Irrational C. Even D. Odd	27	1/3 is a decimal	B. Terminating C. Non-terminating
29 Question Image  B. Irrational C. Even D. Odd  A. Rational B. Irrational	28	202.04 is an example of	B. Non-recurring decimals     C. Terminating decimals
B. Irrational	29	Question Image	B. Irrational C. Even
C. Natural D. Odd	30	Question Image	B. Irrational C. Natural