

Mathematics ECAT Pre Engineering Chapter 1 Number System Online Test

Sr	Questions	Answers Choice
1	(a,b) +(-a,-b) =	A. (0,0) B. (a,b) C. (-a,-b) D. (1,1)
2	For any real numbers x,y,xy=o ⇒	A. $x \neq 0 \land y \neq 0$ B. $x = 0 $ $x = 0 $ $x = 0$ C. $x = 0$ D. $y = 0$
3	The multiplicative inverse ofx'(-1) is	A. x B. a-2 C. 0 D. 1
4	The symbol of irrational is	A. W B. N C. Q D. Q <i>'</i>
5	π is	A. A complex numberB. A rational numberC. A natural numberD. An irrational number
6	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 = -i D. x = 2, y = 2
7	Question Image	A. Closure law of addition B. Associative law of addition C. Additive inverse D. Additive identity
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	Some of two real numbers is also a real number , this property is called:	A. Commutative property w.r.t addition B. Closure property w.r.t. addition C. Associative property w.r.t. addition D. Distributive property w.r.t addition
10	Question Image	A. A complex number B. A rational number C. A natural number D. An irrational number
11	The negative square root of 9 can be written as:	A√9 B. √9 C. √18 D√18
12	What is the conjugate of -6 -i	A6 +i B. 6 + i C6 -i D. 6 -i
13	Question Image	A. Symmetric property B. Cancellation property w.r.t. multiplication C. Reflexive property
14	Question Image	D. Transitive property A. Principle of equality of fractions B. Rule for product of fractions C. Golden rule of fractions D. Rule for quotient of fractions
		A. A positive integer

15	O is	B. A negative integer C. A natural number D. An integer
16	Question Image	A. N B. r C. 2r D. <i>π</i>
17	1/3 is a decimal	A. Recurring B. Terminating C. Non-terminating D. None of the above
18	2.333is a	A. Irrational no B. Complex no C. Rational no D. None of these
19	In R, the multiplicative inverse of a is	A. 0 B. 1 Ca D. 1/a
20	√25 is a number	A. Rational B. Irrational C. Natural D. Odd