Mathematics ECAT Pre Engineering Chapter 1 Number System Online Test

Sr	Questions	Answers Choice
1	Name the property used in 4.1 + (-4.1) = 0	A. Additive inverse B. Multiplication inverse C. Additive identity D. Multiplication identity
2	Name the property used in 100 + 0 = 100	A. Additive inverse B. Multiplicative inverse C. Additive identity D. Multiplicative identity
3	Name the property used in 4 x (5 x 8) = (4 x 5) x 8	A. Associative property of addition B. Associative property of multiplication C. Additive identity D. Multiplicative identity
4	Question Image	A. Associative property of addition B. Associative property of multiplication C. Commutative property of addition D. Commutative property of multiplication
5	Question Image	A. Associative property of addition B. Commutative property of addition C. Distributive property D. Additive identity
6	Name the property used in 4 + 9 = 9 + 4	A. Associative property of addition B. Commutative property of addition C. Distributive property D. Additive identity
7	Which of the following sets has closure property w.r.t. addition	A. { 0 } B. { 1 } C. { 0, -1} D. { 1, -1}
8	Question Image	A. Additive property in R B. Multiplication property in R C. Cancellation property in R D. Distribution property in R
9	The set { 1 , -1} is closed w.r.t.	A. Addition B. Multiplications C. Subtraction D. None of these
10	Question Image	A. Principle of equality of fractions B. Rule for product of fractions C. Golden rule for fractions D. Rule for quotient of fractions
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13	Question Image	A. Principle of equality of fractions B. Rule for product of fraction C. Rule for quotient of fraction D. Golden rule of fractions
14	Question Image	A. Principle of equality of fractions B. Rule for product of fraction C. Rule for quotient of fraction
15	Question Image	A. (a + b)c = ac + bc B. a + b = b + a

		C. (a + b) + c = a + (b + c)
		D. a(b +c) = ab + ac
16	Question Image	A. (a + b)c = a . c + bc
		B. a + b = b + a
		C. (a + b) + c = a + (b + c)
		D. a(b+ c) = ab + ac
17	In R the right cancellation property w.r.t. addition is	
18	In R the left cancellation property w.r.t addition is	
19	Question Image	
20	Question Image	
21	Question Image	
22	Question Image	A. a = a
		B. a < a
		C. a > a
		D. a^2 = a
23	The additive inverse of 0 is	A. 1
		B. -1
		C. 0
		D. Does not exist
24	The additive inverse of 1 is	A. 1
		B. -1
		C. 0
		D. Does not exist
25	The multiplicative inverse of 0 is	A. 1
		B. -1
		C. 0
		D. Does not exist
26	The multiplicative inverse of 1 is	A. 1
		B. -1
		C. 0
		D. Does not exist
27	The multiplicative inverse of 4 is	A. -4
		B. -1/4
		C. 1/4
		D. 1
28	The multiplicative inverse of 2/3 is	A. 3/2
		B. -2/3
		C. -3/2
		D. 1
29	The additive inverse of 2/3 is	A. 3/2
		B. -2/3
		C. -3/2
		D. 0
30	In R the number of identity elements w.r.t.'.' is	A. One
		B. Two
		C. Three
		D. Four