

ECAT Mathematics Online Test

Sr	Questions	Answers Choice
1	Question Image	A. Additive property in R B. Multiplication property in R C. Cancellation property in R D. Distribution property in R
2	The set $\{1, -1\}$ is closed w.r.t.	A. Addition B. Multiplications C. Subtraction D. None of these
3	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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7	Question Image	A. Principle of equality of fractions B. Rule for product of fraction C. Rule for quotient of fraction
8	Question Image	A. $(a + b)c = ac + bc$ B. $a + b = b + a$ C. $(a + b) + c = a + (b + c)$ D. $a(b + c) = ab + ac$
9	Question Image	A. $(a + b)c = a \cdot c + bc$ B. $a + b = b + a$ C. $(a + b) + c = a + (b + c)$ D. $a(b + c) = ab + ac$
10	In R the right cancellation property w.r.t. addition is	
11	In R the left cancellation property w.r.t addition is	
12	Question Image	
13	Question Image	
14	Question Image	
15	Question Image	A. $a = a$ B. $a \leq a$ C. $a \geq a$ D. $a < 2 \leq a$
16	The additive inverse of 0 is	A. 1 B. -1 C. 0 D. Does not exist
17	The additive inverse of 1 is	A. 1 B. -1 C. 0 D. Does not exist
18	The multiplicative inverse of 0 is	A. 1 B. -1 C. 0 D. Does not exist

19	The multiplicative inverse of 1 is	A. 1 B. -1 C. 0 D. Does not exist
20	The multiplicative inverse of 4 is	A. -4 B. -1/4 C. 1/4 D. 1
21	The multiplicative inverse of 2/3 is	A. 3/2 B. -2/3 C. -3/2 D. 1
22	The additive inverse of 2/3 is	A. 3/2 B. -2/3 C. -3/2 D. 0
23	In R the number of identity elements w.r.t '.' is	A. One B. Two C. Three D. Four
24	In R the number of identity element w.r.t '+' is	A. One B. Two C. Three D. Four
25	In R, the multiplicative inverse of a is	A. 0 B. 1 C. -a D. 1/a
26	In R, the additive inverse of a is	A. 0 B. 1 C. -a D. 1/a
27	In R, the multiplicative identity is	A. 0 B. 1 C. -1 D. None
28	In R, the additive identity is	A. 0 B. 1 C. -1 D. None
29	Question Image	A. Reflexive property B. Symmetric property C. Transitive property D. Additive property
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