ECAT Pre Engineering Entry Test

Sr	Questions	Answers Choice
1	The set { 1 , -1} is closed w.r.t.	A. Addition B. Multiplications C. Subtraction D. None of these
2	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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5	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
6	Question Image	A. Principle of equality of fractions B. Rule for product of fraction C. Rule for quotient of fraction
7	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
8	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
9	In R the right cancellation property w.r.t. addition is	
10	In R the left cancellation property w.r.t addition is	
11	Question Image	
12	Question Image	
13	Question Image	
14	Question Image	A. a = a B. a < a C. a > a D. a²= a
15	The additive inverse of 0 is	A. 1 B. -1 C. 0 D. Does not exist
16	The additive inverse of 1 is	A. 1 B. -1 C. 0 D. Does not exist
17	The multiplicative inverse of 0 is	A. 1 B. -1 C. 0 D. Does not exist
18	The multiplicative inverse of 1 is	A. 1 B. -1 C. 0 D. Does not exist

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