ECAT (Pre-Eng) Mathematics For Chapter 1 Number System

Sr	Questions	Answers Choice
1	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
2	The set of rational number is represented by	A. W B. R C. Q' D. Q
3	0.25 is _____	A. An irrational number B. A natural number C. A prime number D. A rational number
4	Question Image	
5	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
6	√23 is	A. A rational number B. A irrational number C. An even integer D. A factor of 36
7	Question Image	A. A complex number B. A rational number C. A natural number D. An irrational number
8	In R, the multiplicative identity is	A. 0 B. 1 C. -1 D. None
9	The identity element with respect to subtraction is	A. 0 B. 1 C. -1 D. Does not exist
10	Every whole number is	A. A real number B. An irrational number C. A prime number D. A negative integer
11	Question Image	
12	Question Image	A. Associative law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
13	If z_1 =√-36 ,z_2 =√-25,z3 =√-16 then	A. 15 B. 15i C. -15i D. -15
14	For any real numbers x,y,xy=o ⇒	A. x ≠ 0 ∧ y ≠ 0 B. x = 0 ∨ y = 0 C. x = 0 D. y = 0
15	∀a,b, c ε R ac = bc ⇒ a = b, c ≠ 0 is a	A. Symmetric property B. Cancellation property w.r.t multiplication C. Reflexive property D. Transitive property
16	¡^{101}=	A. i B. i² C. -i D. -1

17	Question Image	A. Associative property of addition B. Commutative property of addition C. Distributive property D. Additive identity
18	Question Image	
19	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
20	The set of positive integers, 0 and negative integers is known as the set of	A. Natural numbers B. Rational numbers C. All integers D. Irrational numbers