ECAT Mathematics Chapter 1 Number System

Sr	Questions	Answers Choice
1	The identity element with respect to subtraction is	A. 0 B. -1 C. 0 and 1 D. None of thes
2	$\sqrt{2}$ is a number	A. Rational B. Irrational C. Even D. Odd
3	Question Image	
4	1/3 is _____	A. A prime number B. An integer C. A rational number D. An irrational number
5	If $z_1 = \sqrt{-36}$, $z_2 = \sqrt{-25}$, $z_3 = \sqrt{-16}$ then	A. 15 B. 15i C. -15i D. -15
6	Question Image	A. Associative law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
7	If 0 = R, thenthe additive inverse of a is	A. 1/9 B. 1/-9 C. a D. -a
8	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
9	Question Image	
10	Question Image	A. additive property B. multiplicative property C. additive inverse D. additive identity
11	If z=(x,y) then z has no multiplicative inverse when	A. $x \neq 0$, $y = 0$ B. $x = 0$, $y = 0$ C. $x = 0$, y $\neq 0$ D. None of these
12	3/4 is _____	A. An odd number B. An even number C. A natural number D. A rational number
13	A subset of set of complex number whose elements are of the form (a,0) is called	A. Real number B. Complex number C. Rational number D. Irrational number
14	Question Image	A. Additive property of inequality B. Commutative property C. Additive inverse D. Additive identity
15	(a,0) x (c,0) =	A. (0,ac) B. (ac,0) C. (0,0) D. (a,c)
16	Question Image	A. real part of z B. imaginary part of z C. conjugate of z D. modulus of z

17	The square root of 2i - 20i is	A. +-(5 - 2i)
		B. +-(5 + 2i)
		C. (5 - 2i)
		D. None of these

18	(a,b) +(-a,-b) =	A. (0,0)
		B. (a,b)
		C. (-a,-b)
		D. (1,1)

19	Question Image	A. A complex number
		B. A rational number
		C. A natural number
		D. An irrational number

20	Question Image	A. z is purely imaginary
		B. a is any complex number
		C. z is real
		D. None of these