

ECAT Pre General Science Mathematics Chapter 1 Number System Online Test

Sr	Questions	Answers Choice
1	Question Image	A. 15 B. 15 i C. -15 i D. -15
2	If $Z_1 = 1 + i$, $Z_2 = 2 + 3i$, then $ Z_2 - Z_1 = ?$	
3	If $Z = (1, 2)$, then $Z^{-1} = ?$	A. (0.2, 0.4) B. (-0.2, 0.4) C. (0.2, -0.4) D. (-0.2, -0.4)
4	The value of x, and y, when $(x + iy)^2 = 5 + 4i$	A. $X = 2, y = -1$ B. $X = -2, y = 1$ C. $X = 2, y = -1$ D. $X = 2, y = 2$
5	Question Image	A. A positive integer B. A negative integer C. A natural number D. An irrational number
6	Every prime number is also	A. Rational number B. Even number C. Irrational number D. Multiple of two numbers
7	$3/2$ is	A. An irrational number B. Whole number C. A positive integer D. A rational number
8	Question Image	A. A rational number B. A irrational number C. An even integer D. A factor of 36
9	6 is	A. A prime integer B. An irrational number C. A rational number D. An odd integer
10	Zero is	A. An irrational number B. A rational number C. A negative integer D. A positive number
11	Question Image	
12	Question Image	
13	The multiplicative inverse of (a,b) is	
14	Question Image	A. (x, y) B. (kx, y) C. (x, ky) D. (kx, ky)
15	Question Image	
16	Question Image	A. x C. y
17	Every real number is	A. a positive integer B. a rational number C. a negative integer D. a complex number
18	Question Image	
19	The product of complex numbers (a,b) and (c,d) is	A. (ac, bd) B. (ac-bd, ad+bc) C. (ab, cd)

		D. $(ac+bd, ad-bc)$
20	The sum of complex number (a,b) and (c,d) is	
21	Question Image	A. 1 B. -1
22	Question Image	B. 1 C. -1
23	Question Image	A. real part of z B. imaginary part of z C. conjugate of z D. modulus of z
24	Question Image	
25	Question Image	A. 0 B. 1 C. -1 D. 2
26	Question Image	A. real number B. complex number C. rational number D. irrational number
27	Question Image	A. additive property B. multiplicative property C. additive inverse D. additive identity
28	Question Image	A. additive property B. multiplicative property C. additive identity D. multiplicative identity
29	Name the property used in $a(b-c) = ab - ac$	A. commutative property of multiplication B. distributive property of multiplication C. associative property of multiplication D. multiplicative inverse
30	Name the property used in $1000 \times 1 = 1000$	A. additive inverse B. multiplicative inverse C. additive identity D. multiplicative identity