

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

Sr	Questions	Answers Choice
1	The property used in $-3 < -2 \Rightarrow 0 < 1$	A. Commutative property B. Additive property of inequality C. Additive inverse D. Additive identity
2	202.04 is an example of	A. Recurring decimals B. Non-recurring decimals C. Terminating decimals D. None of above
3	Gooch crucible is made of :	A. Brass. B. Porcelain. C. Bronze. D. Gold.
4	Question Image	A. Set of whole number B. Rational Numbers C. Complex numbers D. Whole numbers
5	The equation $ x+4 = x$ has solution	A. $x = -2$ B. $x = 2$ C. $x = -4$ D. $x = 4$
6	Question Image	
7	Question Image	A. 0 B. 1 C. -1 D. 2
8	$\frac{3}{4}$ is _____	A. An odd number B. An even number C. A natural number D. A rational number
9	Question Image	A. A positive integer B. A negative integer C. A natural number D. An irrational number
10	$(7,9) + (3,-5) =$	A. (4,4) B. (10,4) C. (9,-5) D. (7,3)
11	If $z_1 = 2 + 6i$ and $z_2 = 3 + 7i$, then which expression defines the product of z_1 and z_2 ?	A. $36 + (-32)i$ B. $-36 + 32i$ C. $6 + (-11)i$ D. $0 + (-12)i$
12	The additive identity of real number is	A. 1 B. 2 C. $\frac{1}{2}$ D. 0
13	What is the conjugate of $-6 - i$	A. $-6 + i$ B. $6 + i$ C. $-6 - i$ D. $6 - i$
14	$(a+bi) - (c+di) =$	A. $(a+b) = (c+d)$ B. $(a+c) + i(b+d)$ C. $(a - c) + (c - d)i$ D. $(a - c) + (b - d)i$
15	The multiplicative inverse of 4 is	A. -4 B. $-\frac{1}{4}$ C. $\frac{1}{4}$ D. 1
16	In \mathbb{R} , the additive inverse of a is	A. 0 B. 1 C. -a

17	If $z_1 = \sqrt{-36}$, $z_2 = \sqrt{-25}$, $z_3 = \sqrt{-16}$ then	A. 15 B. $15i$ C. $-15i$ D. -15
18	Question Image	A. Symmetric property B. Cancellation property w.r.t. multiplication C. Reflexive property D. Transitive property
19	Question Image	A. Rational B. Irrational C. Even D. Odd
20	The additive inverse of 0 is	A. 1 B. -1 C. 0 D. Does not exist