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

| Sr | Questions | Answers Choice |
|----|-----------|----------------|
| 1 | 3.5+5.4=5.4+3.5 =8.9 this property of addition is called | A. additive identity<br>B. assoclative property<br>C. commulative property<br>D. closure property |
| 2 | $\forall x,y,z \in R$ and z 0,then | A. x > y ⇒ xz > yz<br>B. x<y ⇒ xz < yz<br>C. x < y ⇒ xz > yz<br>D. None of these |
| 3 | (a,0) x (c, 0) = | A. (0,ac)<br>B. (ac, 0)<br>C. (0,0)<br>D. (a, c) |
| 4 | Question Image | A. Associative property of addition<br>B. Associative property of multiplication<br>C. Commutative property of addition<br>D. Commutative property of multiplication |
| 5 | The set { 1 , -1} is closed w.r.t. | A. Addition<br>B. Multiplications<br>C. Subtraction<br>D. None of these |
| 6 | The multiplicative inverse of 4 is | A. -4<br>B. -1/4<br>C. 1/4<br>D. 1 |
| 7 | Union of the sets of rational and irrational numbers is called 6th set of | A. Natural numbers<br>B. Real numbers<br>C. Whole numbers<br>D. Prime numbers |
| 8 | Name the property used in 1000 x 1 = 1000 | A. additive inverse<br>B. multiplicative inverse<br>C. additive identity<br>D. multiplicative identity |
| 9 | If $\forall a,b \varepsilon R$,then a +b $\varepsilon$ R is a property | A. Closure law of addition<br>B. Associative law of addition<br>C. Additive inverse<br>D. Additive identity |
| 10 | Every natural number is | A. A prime number<br>B. An irrational number<br>C. An integer<br>D. An even number |
| 11 | If Z = (1,2), then $Z^{-1}$ =? | A. (0.2, 0.4)<br>B. (-0.2 ,0.4)<br>C. (0.2,-0.4)<br>D. (-0.2,-0.4) |
| 12 | (a+bi) - (c+di)= | A. (a+b) = (c+d)<br>B. (a+c) + i(b+d)<br>C. (a - c) + (c- d)i<br>D. (a - c)+ (b - d)i |
| 13 | Zero is | A. An irrational number<br>B. A rational number<br>C. A negative integer<br>D. A positive number |
| 14 | The equation \|x +4\| = x has solution | A. x = -2<br>B. x = 2<br>C. x = -4<br>D. x = 4 |
| 15 | Such fraction which can not be written in the form of p/q where p,q and q≠ 0,such fractions are called. | A. Fractinal numbers<br>B. Rational Numbers<br>C. Even Numbers |

| 16 | Question Image | A. x<br>C. y |
| --- | --- | --- |
| 17 | 0 (zero) is | A. An irrational number<br>B. A rational number<br>C. A negative integer<br>D. A positive number |
| 18 | The property used in -3 <-2 ⇒0 <1 | A. Commutative property<br>B. Additive property of inequality<br>C. Additive inverse<br>D. Additive identity |
| 19 | The real number system contains. | A. Positive Numbers<br>B. Negative numbers<br>C. Zero<br>D. (option a, b and c) |
| 20 | Multiplicative inverse of "1" is | A. 0<br>B. ±1<br>C. 1<br>D. {0,1} |