

ECAT Mathematics Chapter 1 Number System MCQ's Test

Sr	Questions	Answers Choice
1	Question Image	D. None of these
2	Every recurring decimal represents	A. A natural number B. A rational number C. An irrational number D. A whole number
3	Question Image	A. 15 B. 15 i C15 i D15
4	The order axioms are satisfied by set of	A. C B. C and R C. R D. None of these
5	If a and b are real numbers then a+b is also real number this law is called	A. associative law of addition B. closure law of addition C. Distributive law of addition D. Commutative law of addition
6	0.25 is	A. An irrational number B. A natural number C. A prime number D. A rational number
7	In R the number of identity elements w.r.t.'.' is	A. One B. Two C. Three D. Four
8	Question Image	
9	$\forall a,b,c \in R,a+c=b+c=>a=b$	A. Reflexive property B. Symmetric property C. Cancellations property w.r.t. addition D. Transitive property
10	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
11	(a +bi) -c (c +di) =	A. $(a +b) = (c +d)$ B. $(a +c) + i(b +d)$ C. $(a -c) + (c -d) < i > i < / i >$ D. $(a -c) + (b -d) $ and $b > j < i > i < / i >$
12	If $z_1 = 1 + 2i$, $z_2 = 3 + 4i$ then	A. z ₁ > z ₂ B. z ₁ = z ₁ < z ₂ D. None of these
13	$\sqrt{2} + \sqrt{3} + \sqrt{5}$) = ($\sqrt{2} + \sqrt{3} + \sqrt{5}$: this property is called	A. associative property w.r.t addition B. commutative property C. Closure property w.r.t addition D. Additive identity
14	Question Image	
15	$(\sqrt{3}+\sqrt{5})+\sqrt{7}=\sqrt{3}+(\sqrt{5}+\sqrt{7})$ property used in above is	A. Commutative property of addition B. Closure property of addition C. Additive inverse D. Associative property w.r.t to adition
16	Question Image	
		A. $x \neq 0$, $y = 0$

17	ii 2-(x,y) utoti 2 tias tio thulupiicauve ilivelse viitett	C. $x = 0$, $y\ \neq 0$ D. None of these
18	If $z = (x,y)$, then $z^- =$	A. (-x,y) B. (x,-y) C. (-x,-y) D. None of these
19	π is the ration of	A. Area of a circle to its diameter B. Area of a circle to its radius C. Circumference of a circle to its diameter D. Circumference of circle to its radius
20	Question Image	A. Set of whole number B. Rational Numbers C. Complex numbers D. Whole numbers