ECAT Mathematics Chapter 1 Number System

Sr	Questions	Answers Choice
1	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
2	Question Image	A. Associative law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
3	$(\sqrt{3}+\sqrt{5})+\sqrt{7} = \sqrt{3} +(\sqrt{5} +\sqrt{7})$ 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
4	0.25 is _____	A. An irrational number B. A natural number C. A prime number D. A rational number
5	The multiplicative inverse of 4 is	A. -4 B. -1/4 C. 1/4 D. 1
6	The set of natural no. is closed under	A. multiplication B. subtraction C. difference D. division
7	$2/9,5/7 \in R,(2\vert9)(5\vert7)=10/63 \in R$ this property is called	A. Associative property B. Identity property C. Commutative property D. Closure property w.r.t multiplication
8	If P is a whole number greater than 1, which has only P and I are factors. Then P is called	A. Wholw number B. Prime number C. Even number D. Odd number
9	Question Image	
10	Question Image	A. Multiplication property B. Additive property C. Trichotomy property D. Transitive property of inequality
11	A non-terminating, non-recurring decimal represent	A. A natural number B. A rational number C. An irrational number D. A prime number
12	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)
13	$4/\sqrt{49}$ is a	A. Irrational Number B. Prime Number C. Rational number D. Whole number
14	0 (zero) is	A. An irrational number B. A rational number C. A negative integer D. A positive number
15	Question Image	
16	Question Image	A. x

16	Question Image	
17	6 is	A. A prime integer B. An irrational number C. A rational number D. An odd integer
18	The equation $|x + 4| = x$ has solution	A. $x = -2$ B. $x = 2$ C. $x = -4$ D. $x = 4$
19	Question Image	A. 1 B. -1
20	Question Image	