

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

Sr	Questions	Answers Choice
1	6 is	A. A prime integer B. An irrational number C. A rational number D. An odd integer
2	Question Image	
3	Question Image	A. Rational B. Irrational C. Natural D. Odd
4	The equation $ x + 4 = x$ has solution	A. $x = -2$ B. $x = 2$ C. $x = -4$ D. $x = 4$
5	Question Image	A. A rational number B. An irrational number C. An odd number D. A prime number
6	$\sqrt{x} = \text{_____}$ if is a prime number	A. Rational no B. Natural no C. Irrational no D. Complex no
7	Question Image	A. 1 B. 3 C. 2-i D. -1
8	Question Image	
9	Question Image	A. x C. y
10	The multiplicative inverse of (a,b) is	
11	In $(x + iy)$ y is called as	A. Imaginary part B. Complex number C. Real part D. None of above
12	Question Image	A. real number B. complex number C. rational number D. irrational number
13	Which of the following has the same value as i^{113} ?	A. i B. -1 C. -i D. 1
14	A subset of set of complex number whose elements are of the form $(a,0)$ is called	A. Real number B. Complex number C. Rational number D. Irrational number
15	Question Image	
16	Question Image	
17	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
18	If $A = \{x / x \in \mathbb{R} \wedge x^2 - 16 = 0\}$ then $A =$	A. - x B. Infinite set C. Φ D. { -4, 4 }

D. $\{-4,4\}$

19 What is the conjugate of $-6 - i$?

- A. $-6 + i$
B. $6 + i$
C. $-6 - i$
D. $6 - i$

20 Every prime number is also

- A. Rational number
B. Even number
C. Irrational number
D. Multiple of two numbers
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