

ECAT Mathematics Online Test

Sr	Questions	Answers Choice
1	The symbol of irrational is	A. W B. N C. Q D. Q'
2	QUQ'	
3	Question Image	A. Set of whole number B. Rational Numbers C. Complex numbers D. Whole numbers
4	The set {1, 2, 3, 4,} is called	A. Set of Natural numbers B. Set of whole numbers C. Set of rational number D. Set of irrational numbers
5	Geometrically, the modulus of a complex number represents its distance from the	A. Point (1, 0) B. Point (0, 1) C. Point (1, 1) D. Point (0, 0)
6	Question Image	
7	The multiplicative inverse of 1 - 2i is	
8	The square root of 2i - 20i is	A. +-(5 - 2i) B. +-(5 + 2i) C. (5 - 2i) D. None of these
9	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
10	Question Image	A3 -2i B. 3 +2i C. 1 + 2i D. 1 - 2i
11	What is the conjugate of -7 -2i?	A7 + 2i B. 7 + 2i C. 7 -2i D. None of these
12	Question Image	
13	The equation $ x + 4 = x$ has solution	A. x = -2 B. x = 2 C. x = -4 D. x = 4
14	The solution set of the equation $ 3x + 2 = 5$ is	
15	Question Image	A. 15 B. 15 i C15 i D15
16	If $Z_1 = 1 + i$, $Z_2 = 2 + 3i$, then $ Z_2 - Z_1 = ?$	
17	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)
18	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
		A. A positive integer

20 Every prime number is also 21 3/2 is 22 Question Image 23 6 is 24 Zero is 25 If the angle between two vectors with magnitude 2 and 15 is 30 then their scalar product is 26 Question Image 27 Question Image 28 Question Image 29 Question Image 20 Question Image 20 Question Image 21 A Rational number B. A A prime integer D. A rational number C. A negative integer D. A not interest product is 28 A A prime integer B. An irrational number D. An odd integer 29 Question Image 20 Question Image 20 Question Image 20 Question Image 21 Question Image 22 Question Image 23 Question Image 24 Question Image 25 Question Image 26 Question Image 27 Question Image 28 Question Image 29 Question Image	19	Question Image	B. A negative integer C. A natural number D. An irrational number
21 3/2 is B. Whole number C. A positive integer D. A rational number 22 Question Image A. A rational number B. A irrational number C. An even integer D. A factor of 36 A. A prime integer B. An irrational number C. A rational number C. A rational number D. An odd integer 24 Zero is A. A prime integer B. An irrational number C. A rational number C. A rational number D. An odd integer 25 If the angle between two vectors with magnitude 2 and 15 is 30 then their scalar product is B. 15 C. 30 A. 12 B. 6 C. 8 D. none of these 27 Question Image 28 Question Image	20	Every prime number is also	B. Even number C. Irrational number
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29 Question Image	27	Question Image	
	28	Question Image	
30 Question Image	29	Question Image	
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