

## Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Which of the following is the subset of all sets?	B. {1, 2,3} D. {0}
2	Question Image	
3	Question Image	
4	The set of complex numbers forms a group under the binary operation of	A. Addition B. Multiplication C. Division D. Subtraction
		A. 15 B. 15 i
5	Question Image	C15 i
6	The point (-5, 3) is the center of a circle and P(7, -2) lies on the circle. The radius of the circle is	D15  A. 2  B. 13  C. 7  D. 8
7	Multiplicative inverse of "1" is	A. 0 B. <u>+</u> 1 C. 1 D. {0, 1}
8	If $x < y$ , $2x = A$ , and $2y = B$ , then	A. A = B B. A &It B C. A &It x D. B &It y
9	Question Image	
10	Question Image	
11	Question Image	
12	A function F(x) is called even if	A. $F(x) = F(-x)$ B. $F(x) = F(-x)$ C. $F(x) = -F(x)$ D. $2F(x) = 0$
13	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)
14	If A and B are matrices of same order than (,A + B)(A + B) =	A. A <sup>2</sup> + B <sup>2</sup> B. A <sup>2</sup> + B <sup>2</sup> + 2AB C. A + B D. A <sup>2</sup> + B <sup>2</sup> + AB + BA
15	Question Image	D. None of these
16	The mid point of the line joining (-1, -3) to (3, -5) is	A. (1, 1) B. (1, -1) C. (2, -8) D. (1, -4)
17	Question Image	D. None of these
18	In the expansion of $(a + b)^n$ in every term the sum of the exponents of a and b is	A. n B. n + 1 C. 2n - 1 D. 2n + 1
19	If ab > 0 and a < 0, which of the following is negative?	A. b Bb Ca D. (a - b) <sup>2</sup>

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