

## Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	If $x < y$ , $2x = A$ , and $2y = B$ , then	A. A = B B. A &It B C. A &It x D. B &It y
2	Question Image	A. p < r B. p > r C. p + r < 0 D. p - r < 0
3	Question Image	
4	A vector of magnitude zero is called	A. Position vector B. Null vector C. Free vector D. None of these
5	Question Image	A. n = 3 only B. n <u>&gt;</u> 5 C. n <u>&gt;</u> 3 D. n < 5
6	Question Image	A. 0 B. 1 C1 D. 2
7	The complement of set A relative to universal set U is the set	D. A - U
8	Question Image	A. An equation B. Linear equation C. Rational fraction D. Identity
9	Question Image	A. 2 B. 1 C. 0
10	Question Image	D. None of these
11	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
12	If the sum of the roots of $(a + 1)x^2 + (2a + 3)x + (3a+4) = 0$ is -1, then product of the roots is	A. 1 B. 2 C2 D1
13	In 30,60,90 triangle, if the smallest side is 6 then the side opposite to the angle of 60° is	A. 12 B. 3 D. 6
14	Question Image	
15	Which of the following is the equation of a line with slope 0 and passing through the point (4, 3)	A. X = 4 B. X = -4 C. Y = 3 D. Y = -6
16	Multiplicative inverse of "1" is	A. 0 B. <u>+</u> 1 C. 1 D. {0, 1}
17	The curves $y = x^2$ , $y = x$ intersect at	A. (0,0), (1, 1) B. (2, 4) D. (0,3), (-1, 1)
18	Question Image	
	<del></del>	A. Midpoint B. Extreme left point

•	19	If $K_1$ : $K_2$ = 1 : 1 then the point P dividing the line is	C. Extreme Right Point D. P lies out side k <sub>1</sub> and k <sub>2</sub>
2	20	Question Image	