Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	If the angle of a triangle are in the ratio 2:3:7, the triangle is	A. Obtuse B. Acute C. Right angle D. Isosceles
2	Question Image	A. p < r B. p > r C. p + r < 0 D. p - r < 0
3	Question Image	
4	If 4 - x > 5, then	A. x > 1 B. x > -1 C. x < 1 D. x < -1
5	The curves $y = x^2$, y = x intersect at	A. (0,0) , (1, 1) B. (2, 4) D. (0,3), (-1, 1)
6	Question Image	
7	The magnitude of a vector can never be	A. Zero B. Negative C. Positive D. Absolute
8	Question Image	
9	If A and B are matrices such that AB=BA=I then	A. A and B are multiplicative inverse of each other B. A and B are additive inverses of each other C. . A and B are singular matrices D. A and B are equal
10	In 30,60,90 triangle, if the smallest side is 6 then the side opposite to the angle of $60^{\circ}$is	A. 12 B. 3 D. 6
11	The equation of the normal to the circle $x^2 + y^2 = 25$ at(4, 3) is	A. 3x - 4y = 0 B. 3x - 4y = 5 C. 4x + 3y = 5 D. 4x + 3y = 25
12	What is a proper rational fraction?	D. All are proper rational fractions
13	Question Image	A. 30° B. 45° C. 60° D. 90°
14	6 is	A. A prime integer B. An irrational number C. A rational number D. An odd integer
15	Question Image	
16	Question Image	A. Tan x B. X C. - x
17	Total number of terms in the expansion of $(a+b)^5 + (a-b)^5$after simplification are	A. 3 B. 1

17	Total number of terms in the expansion of $(a + b)^4 + (a - b)^4$ after simplification are	C. 4 D. 7
18	Question Image	
19	If $f_1(x)$ and $f_2(x)$ are any two anti derivatives of a function F (x), then the value of $f_1(x) - f_2(x)$ =	A. A variable B. A constant C. undefined D. infinity
20	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