

Mathematics General Science Test Hard Mode

0	Overtime	An according Objection
Sr	Questions	Answers Choice
1	The line joining (1, 3) to (a, b) has unit gradient then	A. a-b = -2 B. a+b = 0 C. a-b + 5 D. 2a+3b=1
2	If $-1 < x < 0$, which of the following statements must be true?	A. x < x ² < x ³ B. x < x ³ < x ² C. x ² < x ³ < x ³ < x ³ < x ³ < x
3	Question Image	
4	If $x < y$, $2x = A$, and $2y = B$, then	A. A = B B. A &It B C. A &It x D. B &It y
5	If c is a constant number and if f is the function defined by the equation $f(x) = c$ for all values of x, then f is differentiable at every x and f is defined the equation $f(x) = \underline{\hspace{1cm}}$	A. f B. 1 C. C D. 0
6	Question Image	
7	The circle $(x-2)^2$ + $(y+3)^2$ = 4 is not concentric with the circle	A. (x-2) ² + (y+3) ² = 9 B. (x+2) ² + (y-3) ² = 4 C. (x-2) ² + (y+3) ² = 8 D. (x-2) ² + (y+3) ² = 5
8	Question Image	D. None of these
9	Question Image	D. None of these
10	Question Image	
11	Question Image	
12	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
13	The curves $y = x^2$, $y = x$ intersect at	A. (0,0), (1, 1) B. (2, 4) D. (0,3), (-1, 1)
14	If n is a positive integer, then 3+6+9++3n =	
15	Multiplicative inverse of "1" is	A. 0 B. <u>+</u> 1 C. 1 D. {0, 1}
16	Question Image	A. 15 B. 60 C. 90 D. 20
17	Question Image	
18	Question Image	A. 1 B. 2 C. 3 D. 4

20 Two dice are rolled. The number of possible outcome in which at least one die shows 2 is? A. 5 B. 12 C. 11 D. 7