Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. 1 B. 0 C. 5 D. 2
2	Question Image	A. (2x+a+b+c) B. (a+b+c) C. (a+b+c+x) D. 0
3	If the cutting plane is parallel to the axis of the cone and intersects both of its nappes, then the curve of intersection is:	A. an ellipse B. a circle C. a parabols D. a hyperbola
4	Which of the following is a vector.	A. energy B. force C. work D. power
5	How many different 5-digit even numbers are possible form digit 1,2,4,6,8	A. 4 : 4! B. 4! C. 5! D. 4!+4!
6	Question Image	
7	Question Image	A. 0 B. 1 D. undefined
8	The number of terms in the expansion of $(a + x)^{12}$ is	A. 13 B. 12 C. 11 D. 10
9	$w^{73} = $ _____	A. 0 B. 1 C. w D. w^2
10	$Sec^{-1}x = $	A. $Cos^{-1}1/x$ B. $cosec^{-1}1/x$ C. $Cos^{-1}(-x)$ D. $Tan^{-1}x$
11	The probability to get an odd number in a dice thrown once is	A. 1/2 B. 1/6 C. 1/3 D. 2
12	$(\sqrt{3}+\sqrt{5})+\sqrt{7} = \sqrt{3} +(\sqrt{5} +\sqrt{7})$ property used in above is	A. Commutative property of addition B. Closure property of addition C. Additive inverse D. Associative property w.r.t to adition
13	The function $f : x \rightarrow y$ defined as $f(x) = \alpha \forall x \in X, \alpha \in y$ is called	A. Constant function B. Polynomial function C. Identity function D. Linear function
14	Question Image	D. none of these
15	Corner point of the system $x - y \leq 2, x + y \leq 4, 2x - y \leq 6, x \geq 0, y \geq 0$	A. (1,4) B. (4,2) C. (3,1) D. (4,1)
16	Question Image	A. An ellipse B. A parabola C. A circle D. A hyperbola

17	Question Image
18	Question Image
19	The line $y = 4x + c$ touches the hyperbola $x^2 - y^2 = 1$ if
20	Question Image