Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If a = {2m/2m < 9 ,m€ p} , the (n A) =	A. {2,3,4,5,6,7,8} B. {2,4,6,8............16} C. { 4, 6} D. {2,3,5,7}
2	The set { {a, b} } is	A. Infinite set B. Singleton set C. Two points set D. Empty set
3	The process of finding the unknown elements in triangle is called the	A. solution of the triangle B. Mean differnece C. Engineering distance D. angle of depressin
4	If circumference of circle is divided into 360 congruent parts the angle subtended by one part at the centre of circle is	A. 1 degree B. 1 second C. 1 minute D. 1 radian
5	24 can be written as a product of	A. Odd factors B. Even factors C. Whole factors D. Prime factors
6	Question Image	A. 0 B. 1 C. 1/2
7	Question Image	A. 1 B. 2 C. 3 D. 4
8	Domain of $\cot\theta$ is	
9	For all points (x,y) in fourth quadrant	A. x > 0 , y < 0 B. x > 0 , y > 0 C. x < 0 , y < 0 D. x < 0 , y > 0
10	Question Image	
11	The first three terms in the expansion of $(1 + x)^{-2}$ are _____	A. $1 - 2x + 3x^2$ B. $1 - 2x - 3x^2$ C. $1 + 2x + 3x^2$ D. $-2 -2x + 3x^2$
12	Question Image	D. none of these
13	In any triangle ABC,with usual notation $\alpha\sin\beta$ =____;	A. $b \sin\alpha$ B. $b\sin\beta$ C. $\alpha\sin\alpha$ D. None of these
14	Question Image	A. $y + 1 = Ae^x$ B. $y + 1 = Axe^x$ C. $xe^x >= C$ D. $y + xe^x >= C$
15	Question Image	A. (a + b)c = ac + bc B. a + b = b + a C. (a + b) + c = a + (b + c) D. a(b +c) = ab + ac
16	Question Image	A. An upper triangular matrix B. A lower triangular matrix C. A diagonal matrix D. A null matrix
17	The distance between the points (0 , 0) and (1, 2) is	A. 5 C. 0 D. 3

18	The solution of equation $x^2 + 2 = 0$ in the set of real number is	A. Infinite set B. Singleton set C. Null set D. None of these
19	$1^0 =$ _____	
20	If y is an image of x under the function f, then we write	A. $y = f(x)$ B. $x = f(y)$ C. $y = x$ D. none of these