Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If n is a negative integer n! is	A. 1 B. 0 C. Unique D. Not defined
2	Question Image	A. cos x + c B. -sin x + c C. -cos x + c D. sin x + c
3	The direction cosines of y-axis are	A. 1, 0, 0 B. 0, 1, 0 C. 0, 0, 1 D. 1, 1, 1
4	The roots of the equation 4x - 3.2x+2 + 32 = 0 would include	A. 1 and 3 B. 1 and 4 C. 1 and 2 D. 2 and 3
5	x^2+ x - 5 = 0 is	A. A polynomial B. An inequality C. An identity D. None
6	Question Image	A. ab=-1 B. ab = 1 C. ab = 2 D. None
7	If P is a whole number greater than 1, which has only P and I are factors. Then P is called	A. Wholw number B. Prime number C. Even number D. Odd number
8	No term of a geometric sequence can be	A. 0 B. 1 C. 2 D. 3
9	The set of whole numbers is subset of	A. The set on integers B. The set of natural numbers C. {1, 3, 5, 7, ...} D. The set of prime numbers
10	Question Image	
11	Question Image	A. x C. y
12	If n is any positive integer ,t hen 2+4+6+.....+2 n=	A. 2ⁿ-1 B. 2ⁿ+1 C. n²+1 D. n(n+1)
13	If y = sin (ax + b), then fourth derivative of y with respect to x =	A. a⁴cos (ax + b) B. a⁴sin (ax + b) C. -a⁴sin (ax + b) D. a⁴tan (ax + b)
14	The first three terms in the expansion of $(1 + x)^{-2}$are _____	A. 1 - 2x + 3x² B. 1 - 2x - 3x² C. 1 + 2x + 3x² D. -2 -2x + 3x²
15	Question Image	
16	(A ∩ B)c =	A. A∩ B B. (A ∪ B)c C. Ac∪Bc D. Φ
17	Question Image	

18	Question Image	A. 2^x B. 2^xln x C. 2^xln 2
19	Corner point of the system x - y≤ 2,x + y≤ 4,2x -y≤ 6,x≥ 0,y≥ 0	A. (1,4) B. (4,2) C. (3,1) D. (4,1)
20	Question Image	A. 100 B. 99 C. 0 D. none of these