Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The set {x|x∈N∧x-4=0} in tabular form is	A. {-4} B. {0} C. {} D. None of these
2	If S = {3,6,9,12.....}, then	A. S = Four multiples of 3 B. S = Set of even numbers C. S = Set of prime numbers D. S = All multiples of 3
3	Question Image	D. none of these
4	sec (-360°) = _____	A. 0 B. 1 C. 2 D. 3
5	The solution set of x < 4 is	A. -∞< x < 4 B. -∞> x > 4 C. -∞< x < 2 D. -∞> x > 2
6	The equation of the circle wit (-1, 1) and radius 2 is	
7	Question Image	
8	In the function f: A□B, the elements of a are called	A. Images B. Pre-images C. ranges D. Parameters
9	Question Image	
10	Tan 360° = _____	A. -1 B. 0 C. 1 D. Undefined
11	The harmonic mean between a and b is	
12	Question Image	A. cosec x + c B. -cosec x + c C. -sec x + c D. sec x + c
13	If f (x)=a0 +a1x+a2x2+a3x3-----+0n-1xn-1+anxn then f(n) (x) is equal to	A. n! B. ann! C. 0 D. an
14	If A and B are two matrices such that AB = B and BA = A then A2 + B2 =	A. 2 AB B. 2 BA C. A + B D. AB

15	The equation of line passing through intersection of line x = 0 and y = 0 and the point (2,2) is	A. y = x B. y = x - 1 C. y = x + 1 D. y = x + 1
16	The obtuse angle between lines = -2 and y = x +2 is	A. 120° B. 135° C. 150° D. 140°
17	If f (x) = |x|, then (0,0) is the	A. Critical point B. Inflection point C. Stationary point D. None of these
18	For each natural number n, n (n+1) is	A. an even B. an odd C. multiple of 3 D. Irrational
19	Question Image	
20	Question Image	A. 1 B. 5 C. 7 D. 9