Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Which of the following is factor of p(x) =2x3 +3x2+3x+2 ?	A. x+1 B. 2x+1 C. 3x+1 D. 2x-1
2	Onto function is also called	A. Binjective function B. Injective function C. Surjechive function D. None of these
3	Question Image	A. -2x³ B. 2x⁻³ C. -2x⁻³ D. 2x³
4	Question Image	A. Principle of equality of fractions B. Rule for product of fractions C. Golden rule of fractions D. Rule for quotient of fractions
5	Geometric mean between a and b is	
6	The remove the term involving xy, from 7x2 -6√3xy+ 13y2 -16 =0 the angel of rotation is	A. θ = 30° B. θ = 45° C. θ = 60° D. θ = 75°
7	(1,0) is in the solution of the inequality	A. 3x + 2y > 8 B. 2x - 3y < 4 C. 2x + 3y > 3 D. x - 2y < -5
8	f(x) = $3x/x^2 + 1$ is:	A. an even function B. an odd function C. an even and implicit function D. neither even nor a odd
9	The period of the function csc x/4 us	A. 4x B. π/4 C. 8π D. π/8
10	The sum of first twenty odd integers in A.P is	A. 400 B. 397 C. 404 D. 408
11	A point of a solution region where two of its boundary lines intersect, is called	A. Boundary B. Inequality C. Half plane D. Vertex
12	Question Image	
13	An equation of the form ax + by = k is homogeneous linear equation when	A. b = 0, a = 0 B. a = 0,b ≠ 0 C. b = -0,a≠ 0 D. a≠ 0,b≠ 0, k = 0
14	(A∪B)∪C= ----------	A. A∩B(B∪C) B. A∪(B∪C) C. A∪(B∩C) D. None of these
15	If the pth, qth, and rth terms of an A.P. are in G.P:., then the common ratio of the G.P. is	
16	Question Image	
17	Question Image	A. A positive integer B. A negative integer C. A natural number D. An irrational number
		A. |sin x| + |sin x|

18	$\pi$is the period of the function	B. sin⁴x + cos x C. sin (sin x) + sin (cos x) D. None of these
19	Question Image	D. none of these
20	Question Image	