Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The function discontinuous at x = 0 is (1) tan x (II) cot x (III) sec x (iv)cosec x)	A. I & III B. I & IV C. II & IV D. II & III
2	Every irrational number is	A. A real number B. A prime number C. A natural number D. An integer
3	H.M. between 3 and 7 is	
4	If P is a proposition then its negative is denoted by	
5	The square matrix A is skew Hermitian when (A)'=	A. A B. A' C. -A D. A
6	Question Image	
7	graph of trigonometric function y = sec x does not meet	A. x - axis B. y -axis C. both axis D. None of these
8	A number A is called the arithmetic mean between a and b if a, A, b is _____	A. Arithmetic sequence B. Geometric sequence C. Harmonic sequence D. Arithmetic sequence
9	Question Image	
10	If A and B are skew-symmetric then (AB)t is	A. At Bt B. AB C. -AB D. BA
11	cos(a +β)-cos(a-β) = _____;	A. 2cosa cosβ B. 2sina cosβ C. -25 in a cosβ D. -2sin a sinβ
12	The series obtained by adding the terms of an arithmetic sequence is called the	A. Infinite series B. Harmonic series C. Geometric series D. Arithmetic series
13	Question Image	A. (a + b)c = a . c + bc B. a + b = b + a C. (a + b) + c = a + (b + c) D. a(b+ c) = ab + ac
14	A point of a solution regions where two of its boundary lines intersect, is called:	A. Vertex of the solution B. Feasible point C. Point of inequality D. Null point of the solution region
15	The distance between the points (2,3) and (3,2) is	A. 5 C. 2 D. 10
16	If a $(p + q)^2$+ bpq +c = 0 and a $(p + r)^2$+ 2 bpr + c = 0, then qr equals	A. p²+ c/a B. p²+ a/c C. p²+ c/a D. p²- c/a
17	Question Image	A. an A.P. B. a G.P. C. a H.P. D. None of these
18	The value of x and y when (x + iy)2 = 5 - 4i	A. x = 2, y = -1 B. x = -2, y = 1

		C. x = 2, y = -1 D. x = 2, y = 2
19	The expansion of $(1 + 2x)^{-2}$ is valed if	A. | x | < 1/2 B. | x | < 1 C. | x | < 2 D. | x | < 3
20	The area of a sector with central angle of 0.5 radians in a circular region whose radius is 2m is	