Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Any horizontal line divided the plane into	A. Left half plane B. Upper and lower half planes C. Infinite number of horizontal liens D. None of these
2	Question Image	
3	Question Image	A. - cot 4x + c B. cot 4x + c C. tan 4x + c D. - tan 4x + c
4	The centre of the conic $x^2 +16x +4y^2 -16y +76 =0$ is	A. (0,10) B. (-8,4) C. (-8,-2) D. (1,1)
5	Question Image	
6	Period of tan x is _____	
7	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
8	The multiplicative inverse of 1 - 2i is	
9	Question Image	
10	The point P (5,8) and the origin lie on the side of the line 3x+ 7y+ 15 =0	A. Same side B. P above and origin below C. Opposite side D. P below and origin above
11	Question Image	
12	The solution of the quadratic equation $x^2 -7x + 10=0$, is	A. 2 B. 5 C. 2,5 D. 7
13	Question Image	
14	e-radii are denoted by	A. η B. r2 C. r3 D. All of these
15	Area bounded between the curve xy=2 and the lines x=1 and x=2	A. ln2 square units B. ln√2 square units C. ln4 square units D. Square units
16	Question Image	
17	Question Image	A. 0 B. U C. u/2 D. log u
18	Question Image	A. 0 B. 1 C. 1/2
19	Question Image	
20	G is geometric mean between a and b if a, G, b is	A. A.P. B. G.P. C. H.P. D. None of these