Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	D. none of these
3	Question Image	
4	The equation (cos p - 1)x^2+ x (cos p) + sin p = 0 in the variable x, has real roots, then p can take any value in the interval	A. (0, 2π) B. (-π, -0) C. (0,π) D. None of these
5	The contra positive of p → q is	A. q → p B. ~q→~q C. ~p→~q D. None of these
6	If a = [1,4,3] and B= [2,-1,5] athen the mid point M of AB is:	A. [1,1,1.5] B. [2,2,1.5] C. [1.5,1.5,4] D. None of these
7	If a^x= b^y= $c^z$and a, b, c are in G.P. then x, y, z are in	A. A.P. B. G.P. C. H.P. D. None of these
8	The sixth term of the sequence 1,3,12,60....is	A. 1500 B. 72 C. 2160 D. 2520
9	The range of function f(x)=-x2+2x-1 is	A. R B. (-∞,0] C. (-∞,1] D. [0,∞)
10	Question Image	
11	Question Image	C. x²+ 2x + c D. (x²+ 2x -1)⁴+ c
12	Question Image	A. sec x tan x B. cos²x C. sin²x D. sec²x
13	Area of the triangle whose vertices are (2,3),(0,1),(0,0) is	A. 6 B. 2 C. 4 D. 1
14	Sec 30° = _____	
15	Question Image	
16	Question Image	
17	Question Image	D. none of these

18	cos 2*α*=	A. 1 - 2 sin²α B. sin ²α+ cos²β C. sin²α- cos²β D. None of these
19	Question Image	
20	A = B if	D. A is equivalent to B