Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. 4(x³-3x²)³+ c B. 3x²- 6x + c
2	cos(a-β) = _____;	A. sin a cosβ + cos a sinβ B. sin a cos β - cos a sinβ C. cos a cos β + sin a sinβ D. cos a cosβ - sin a sinβ
3	If 2x +y + λ =0 is normal to parabola y2 =-8x,λ= _____	A. 12 B. 8 C. 24 D. -24
4	When the angle between the ground and the sun is 30□,flag pole costss a shadow of 40 mg long. the height of the top of the flag is	A. 25m B. 23m C. 12m D. 29m
5	$2\pi+\theta$will have terminal side in Quad	A. I B. II C. III D. IV
6	Question Image	
7	Question Image	A. 0 B. 1 D. undefined
8	For a positive integer n	A. n! = n(n + 1) B. n! = n(n+1)! C. n! = n(n - 1) D. n! = n(n - 1)!
9	For what value of k, 3x -2y+ k= 0 is tangent to the circle x2 +y2 +6x -4y =0	A. k=0 B. k=0 or 26 C. k = 26 D. k=-13
10	Question Image	D. none of these
11	Question Image	
12	Question Image	
13	Question Image	B. 1 C. 2 D. -2
14	Question Image	A. P(A) + P(B) B. P(A) - P(B) C. P(A) . P(B) D. P(A) / P(B)
15	The greatest integer which divides the number 101^{100}- 1 is	A. 100 B. 1000 C. 10000 D. 100000
16	Question Image	
17	Question Image	A. 30° B. 60° C. 45° D. None of these
18	Which of the vectors have opposite direction?	
19	The sum of first twenty odd integers in A.P is	A. 400 B. 397 C. 404 D. 408

20	Question Image