Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	sin -1(sin2π/3) =	A. π/2 B. 2π/3 C. -3π/2 D. π/3
2	Question Image	
3	Question Image	
4	Tan 2$\theta=$	
5	For every positive integers n 1+5+9+....+ (4n - 3) is	A. n(2n - 1) B. (2n - 1) C. n - 1 D. n
6	One minute is denoted by	A. 1⁰ B. 1' C. 1" D. None of these
7	The point of concurrency of the angle bisectors of a triangle is called	A. incentre B. circumcentre C. e-centre D. centroid
8	The number of solution of the equation tan x + sec x = 2 cos x lying in the interval [0, 2π] is	A. 0 B. 1 C. 2 D. 3
9	Question Image	
10	Question Image	
11	Tangent is a periodic function and its period is _____	A. 2π B. 3π C. π D. 4π
12	Question Image	
13	There are 25 tickets bearing number from 1 to 25. One ticket is drawn at random. The probability that the number on it is a multiple of 5 or 6 is	A. 7 / 25 B. 9 / 25 C. 11 / 25 D. None of these
14	Question Image	
15	Which term of the A.P 5,8,11,24.....is 320	A. 104th B. 106th C. 105th D. 64th

16	If (2, 3) is the mid point of (a, 3) and (5, b) then	A. a = 1 , b = -3 B. a = -1 , b = 3 C. a = 1 , b =3 D. a = -1 , b = -3
17	Three dice are thrown together. The probability of getting a total of at least 6 is	A. 103 / 108 B. 10 / 216 C. 93 / 108 D. None of these
18	Equation of normal to the circle x2 + y2 =25 at (5cosθ,5sinθ)	A. xcosθ+ysinθ =5 B. xcosθ -ysinθ =0 C. xsinθ -ycosθ =0 D. None of these
19	Question Image	
20	Question Image	A. perpendicular vectors B. concurrent vectors C. parallel vectors D. none of these