Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	The distance of the point (-2, -3) from the origin is	A. 2 B. -5 C. -3
3	The coefficient of xn in the expansion of (1-2x)-1 is	A. (-1)n2n B. 2n C. (-1)(n+1)xr D. (n+1)2n
4	Question Image	A. From an empty set B. 1 C. 2 D. >2
5	Question Image	
6	Cos-1(x)=	A. cos x B. x C. tan-1(-x) D. Sec-1 (1/x)
7	Express the perimeter P of square as a function of its area A?	A. $P = 4\sqrt{A}$ B. $P = \sqrt{A}$ C. P = 2A D. $P = \pi\sqrt{A}$
8	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
9	The trigonometric function are continuous whenever	A. They are defined B. their limit exist C. Their period is given D. All are incorrect
10	Question Image	A. a cos(ax + b) + c B. - a cos(ax + b) + c
11	If$\pi \le x \le 2\pi$, then cos-1 (cos x)=	A. cos x B. -x C. 1/x D. -x
12	A sequence is a function whose domain is	A. N B. Subset of N C. R D. None of these
13	Question Image	A. 15 B. 9 C. 7 D. 8
14	Question Image	
15	Question Image	A. N B. r C. 2r D. <i>π</i>
16	Question Image	
17	Question Image	
18	Sin-1(x)	A. x B. -x

18	Sin-1(-x)=	C. -sin-1 x D. cos-1 x
19	Optimize means _____ a quantity under certain constraints	A. Minimize B. Maximize C. Maximize or minimize D. None of these
20	Question Image	A. (-6,4) B. (-3,2) C. (6,-4) D. (3, -2)