Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	1/2,1/3,1/4,1/5.....is	A. a geometric sec B. an arithmetric series C. finite sequence D. an infinite sequece
2	Z is a	A. Infinite set B. Finite set C. Singleton set D. Set of all integers
3	(A∩Bc)c= ----------	A. Ac∪Bc B. Ac∪B C. Ac∩B D. None of these
4	If $3x^4+ 4x^3+ x - 5$ is divided by x + 1, then the reminder is	A. 0 B. 7 C. -7 D. 5
5	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
6	Question Image	
7	Question Image	A. 30° B. 60° C. 45° D. None of these
8	If you are looking a bird in the tree from the ground then the angle formed is called angle of_____;	A. Elevation B. Depression C. Right angle D. None of these
9	If cos (2 sin-1 x) = 1/9 , then what is the value of x?	A. 1/3 B. -2/3 C. 2/3 D. 2/3 , -2/3
10	Vector additon is:	A. Commutative B. Associative C. Commutative and Associative D. None of these
11	Question Image	
12	If a,β are the roots of ax2+bx+c=0,the equation whose roots are doubled is	A. ay2 +2by+c=0 B. ay2+2by+4c=0 C. ay2+2by+c=0 D. ay2+by+4c=0
13	Question Image	D. none of these
14	If $x^3+ 4x^3- 2x +5$ is divided by x - 1, then the reminder is	A. 8 B. 6 C. 4 D. None of these
15	Question Image	
16	cotθ= sin 2θifθ=	
17	Two positive integers whose sum is 30 and their product will be maximum are	A. 12,18 B. 10,20 C. 15,15 D. 14,16
18	a + x is _____	A. A trinomial B. A binomial C. A monomial

		D. None of these
19	Question Image	
20	A function f is said to be an even if f(-x) =	A. 0 B. 1 C. f(x) D. -f(x)