Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	The standard form of the quadratic function f(x) = -x^2 +4x+2, is	A. (x-2)²+6 B. -(x-2)² + 6 C. (x-3)²+5 D. (x+4)²-7
3	Question Image	A. 0 B. 1
4	The sum of all even numbers less than 100 is	A. 2450 B. 2352 C. 2272 D. 2468
5	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
6	Power set of X i.e P(X).....under the binary operation of union U	A. Forms a group B. Does not form a group C. Has no identity element D. Infinite set although X is infinite
7	If A is singular then |A| = _____	A. 1 B. 0 C. 2 D. None of these
8	sin(a-90°)=_____;	A. sina B. cosa C. -sinθ D. -cosa
9	Every irrational number is	A. A real number B. A prime number C. A natural number D. An integer
10	For non-trival solution |A| is	A. non zero B. A = 0 C. |A| = 0 D. At = 0
11	Question Image	
12	Period of 3 sin x is _____	
13	An equation of the form ax + by = k is homogeneous linear equation when:	
14	The difference of two consecutive terms of an A.P. is called _____	A. General term B. Common ratio C. Common difference D. None of these
15	The set {Z\ {0} } is group w.r.t	A. Addition B. Multiplication C. Division D. Subtraction
16	Question Image	A. additive property B. multiplicative property C. additive inverse D. additive identity
17	Question Image	A. a²b²c² B. 4a²b²c² C. 4abc D. None
		A. An empty set

18	Question Image	B. Universal set C. A singleton set D. None of these
19	Question Image	A. 0 B. 1
20	Inverse of the function y-10x is	A. y=logx B. y=lnx C. x=10y D. x=10y