Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. Associative law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
3	The maximum value of the quadratic function f(x) = -2x2+20x,is	A. 4 B. 3 C. 50 D. 7
4	Question Image	
5	The velocity of a particle moving along a straight line is given by v = 3t + t^2. The acceleration of the particle after 4 seconds from the start is	A. 4 B. 11 C. 26 D. None
6	The fifth term of the sequence a_n= 2n + 3 is _____	A. 13 B. -13 C. 8 D. 3
7	If a,βare the roots of the equation x2 - 8x + p = 0 and a2 + β2= 40,then value of p is	A. 8 B. 12 C. 10 D. 14
8	If Sn is a definite number as n → ∞,then the geometric series is	A. Convergent B. Divergent C. Oscillatroy D. None of these
9	Period of Tangent function is	A. 0° B. -π C. π D. 2π
10	Domain of sin$\theta$is	A. Set of real numbers B. Set of complex numbers C. Set of natural numbers D. Set of even numbers
11	The domain of the function y = sin x , is	A. -π/2≤ x≤ π/2 B. π/ ≤ x≤ π C. -2π ≤ x≤ 2π D. -1 ≤ x≤ 1
12	The numbers of G_1, G_2, G_3..... $G_n$are called n geometric means between a and b is a, G_1, G_2,G_3, ... G_n, b are in	A. H.P. B. A.P. C. G.P. D. None of these
13	In the expansion of $(a + x)^n$the general term $T_{r+1}$is	
14	If f (x) = |x|, then (0,0) is the	A. Critical point B. Inflection point C. Stationary point

		D. None of these
15	The eccentricity of parabola is:	A. 1 B. 0 C. Greater than 1 D. Less than 1
16	Question Image	
17	A circle passing through the vertices of any triangle is called _____	A. In circle B. Circum circle C. Escribed circle D. None of these
18	The graph of $y < 2$ is the	A. Left half plane B. upper half plane C. Right half plane D. Lower half plane
19	The number of permutations of n objects of which there are n_1 like of one kind, n_2 like of the second kind and n_3 like objects of third kind are	
20	Circumcentre of the triangle, whose vertices are (0, 0), (6, 0) and (0, 4) is	A. (2, 0) B. (3, 0) C. (0, 3) D. (3, 2)