Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. A = B B. B = C C. A = C D. None of these
2	Question Image	
3	The multiplicative inverse of 1 is	A. 1 B. -1 C. 0 D. Does not exist
4	The equation of motion of a stone thrown vertically up wards is $s = ut - 4.9t^2$ the maximum height attained by it =	
5	Question Image	
6	The distance of the point (-2 , -3) from x-axis is	A. 2 B. -3 C. 3 D. 5
7	Two sets A and B are said to be disjoint if	
8	Question Image	
9	The sum of the squares of three distinct real numbers, which are in G.P., is S^2. if their sum is αS then	
10	If x < y, 2x = A, and 2y = B, then	A. A = B B. A < B C. A < x D. B < y
11	Three points whose position vector a,b,c are collinear	A. axb +b x c+ c x a = 0 B. a,b +b,c +c,a =0 C. a,|a xc| =0 D. a+b+c =0
12	The harmonic mean between a and b is	
13	If sin A = cos A, 0°<A<90° then A is equal to	A. 1 B. 1/2 C. 0 D. None of these
14	Question Image	
15	Question Image	D. none of these
16	Question Image	A. cos 3x + c B. - cos 3x + c
17	Question Image	A. A rational number B. An irrational number C. An odd number D. A prime number
18	If one root of the equation $x^2- 3x + a = 0$ is 2 then a = _____	A. 0 B. 1 C. 2 D. 3
19	Question Image	
20	The range of the tangent function is	A. all real numbers B. -1 ≤ x ≥ 1 C. natural number D. z⁺