Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The parametric equations of a circle are	
2	Question Image	A. Lies between 4 and 7 B. Lies between 5 and 9 C. Has no value between 4 and 7 D. Has no value between 5 and 9
3	Question Image	
4	If y = 2x , then	A. y1 -ln2y = 0 B. y2-(ln2)2 y = 0 C. y2-(ln2)y1 = 0 D. All are correct
5	Question Image	A. 2s² B. 2s³ C. s³ D. 3s³
6	If |a x b|2 + (a,b)2 = _____	A. |a|2 + |b|2 B. |a|2- |b|2 C. |a|2|b|2 D. None
7	Domain of tan x is _____	
8	Domain of tangent function is	
9	A polynomial P(x)has a factor (x-a)if P(a) =	A. a B. x C. 1 D. 0
10	The domain and range of a trigonometric function can be allocate by their	A. graph B. Continuity C. Discontinuity D. Periods
11	2x + 3y > 4 is a linear inequality in	A. one variable B. two variables C. three variables D. none of these
12	A and B be two square matrices and if their inverse exist the (AB)-1 =	A. A-1 B-1 B. AB-1 C. A-1B D. B-1A-1
13	The solution of equation x2 + 2 = 0 in the set of real number is	A. Infinite set B. Singleton set C. Null set D. None of these
14	The number of significant numbers which can be formed by using any number of the digits 0, 1, 2, 3, 4 but using each not more than once in each number is	A. 260 B. 356 C. 410 D. 96
15	If C is the mid point of AB and P is any point outside AB, then	
16	Question Image	
17	Question Image	A. b = c B. a = c C. a = c D. b = 0
18	Question Image	A. 405 / 256 B. 504 / 259 C. 450 / 263 D. None
19	A combination lock on a suitcase has 3 wheels each labeled with nine digits from 1 to 9. If an opening combination is a particular sequence of three digits with no repeats, the probability	A. 1 / 500 B. 1 / 504

	of a person guessing the right combination is	C. 1 / 252 D. 1 / 250
20	Question Image	