Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	B. 1 D. -1
2	Question Image	A. I andII quadrants B. II andIII quadrants C. III andIVquadrants D. none of these
3	Question Image	
4	Question Image	A. The law of sines B. The law of consines

4	Question Image	C. The law of tangents D. None of these
5	Circle $x^2 + y^2 - 2y - y = 0$ and $x^2 + y^2 - 8y - 4 = 0$:	A. Interesect B. touch externally C. touch internally D. do not touch
6	Question Image	
7	{x : xε Z and x < 1} is	A. Singleton set B. A set with two points C. Empty set D. None of these
8	1/3 is _____	A. A prime number B. An integer C. A rational number D. An irrational number
9	Period of cosec x is _____	
10	The set of the first elements of the ordered pairs forming a relation is called its	A. Function on B B. Range C. Domain D. A into B
11	In how many ways can 5 persons be seated at a round table	A. 5! B. 4! C. 3! D. 120
12	The fifth term of (a+2x3)17 is	A. 4013 x3a13 B. 2208a13 x12 C. 223x7a18 D. 38080a13 x12
13	If a, b, c, d, e, f are in A.P.,then e-c is equal to	A. 2(c - a) B. 2(f - d) C. 2(d - c) D. d - c
14	Name the property used in 1000 x 1 = 1000	A. additive inverse B. multiplicative inverse C. additive identity D. multiplicative identity
15	Question Image	
16	Eight chairs are numbered 1 to 8. Two women and three men wish to occupy one chair each. First, the women choose the chairs from amongst the chairs marked 1 to 4 and then the men select the chairs from amongst the remaining. The number of possible arrangement is	A. ⁶C₃x ⁴C₂ B. ⁴C₂x ⁴P₃ C. ⁴P₂x ⁶P₃ D. None of these
17	Question Image	
18	If y=f(x) is a function then y is called	A. dependent variable B. independent variable C. constant D. none of these
19	For any positive integer n	A. ABn = Bn A ⇔ AB = BA B. ABn = Bn A⇔ A,B are square matrices and AB = BA C. ABn = BnA⇔ A + B D. ABn = BnA ⇔ A and B are square matries
20	The slope of y-axis is	A. 0 B. undefined C. 1