Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The sum of an indicated number of terms in a sequence is called	A. sequence B. progression C. Series D. Mean
2	The equation $x^2 + y^2 - 8x + 6y + 25 = 0$ represents	A. A circle B. A pair of straight lines C. A point D. None of these
3	The line $y = mx + 1$ is tangent to the parabola $y^2 = 4x$ if	A. m=1 B. m=2 C. m=3 D. m=4
4	Question Image	
5	$ax + by < c$ is linear inequality in	A. four variables B. three variables C. two variables D. one variable
6	E-radius corresponding to < A is	
7	Question Image	
8	If (a, b) is the mid-point of a chord passing thro' the vertex of the parabola $y^2 = 4x$, then	A. a = 2b B. 2a = b C. $a^2 = 2b$ D. $2a = b^2$
9	Find a if 1 is a root of the equation $x^2 + ax + 2 = 0$	A. 3 B. -3 C. 2 D. 0
10	The distance of the point (-2, -3) from the origin is	A. 2 B. -5 C. -3
11	Question Image	
12	The sum of the coefficient in the expansion of $(a + x)^5$ is	A. 32 B. 16 C. 8 D. 5
13	Question Image	
14	$3x + 4 > 0$ is	A. equation B. identity C. inequality D. none of these
15	Question Image	A. ab=-1 B. ab = 1 C. ab = 2 D. None
16	If $x^3 - x^2 + 5x + 4$ is divided by x - 2, then the reminder is	A. 0 B. 2 C. 18 D. 14
17	Question Image	A. a sin(ax + b) + c B. - a sin(ax + b) + c
18	Question Image	
19	120°=_____	
20	For any set X, X∪X is	A. X B. X'

20   For any set X, X∪X is

D. Universal Set