Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Multiplicative inverse of "1" is	A. +- 1 B. 0 C. 1 D. None of these
2	Question Image	
3	The points (5, 2, 4)(6, -1, 2) and (8, -7, k) are collinear if k is equal to	A. -2 B. 2 C. 3 D. -1
4	Range of cot x is _____	A. [-1, 1] B. R C. Negative real numbers D. R - {x | - 1 < x < 1}
5	The equation of the circle witch centre (-3, 5) and radius 7 is	A. $(x-3)^2 + (y+5)^2 = 7^2$ B. $(x-3)^2 + (y-5)^2 = 7^2$ C. $(x+3)^2 + (y+5)^2 = 7^2$ D. $(x+3)^2 + (y-5)^2 = 7^2$
6	The function sine and Cosine have the closed internal as their range	A. [1, 0] B. [-1, 1] C. [0, 1] D. [-1, 2]
7	The value of x, and y, when $(x + iy)^2 = 5 + 4i$	A. X = 2, y = -1 B. X = -2, y=1 C. X = 2, y = -1 D. X = 2, y = 2
8	Question Image	
9	$3x + 4 \geq 0$ is	A. equation B. inequality C. identity D. none of these
10	The angles with some initial and terminal sides are called	A. Quadrantal angles B. Coterminal angles C. Allied angles D. None
11	Find the geometric mean between 4 and 16	
12	Question Image	
13	Question Image	
14	Question Image	
15	Which of the following integrals can be evaluated	
16	Question Image	
17	Question Image	
18	$(0.90)^{1/2}$ is equal to	A. 0.99 B. 0.90 C. 0.80 D. 0.88
19	A conditional "if p then q" is denoted by	
20	An integral of 1/x dx is:	A. $1/x^2$ B. $1/-x^2$ C. 1/lnx D. lnx