

NAT II Physical Science Mathematics

Sr	Questions	Answers Choice
1	Which is in the solution set of $4x - 3y < 2$	A. (3, 0) B. (4, 1) C. (1, 3) D. None
2	If in isosceles right angled triangle, one side is a then hypotenuse is	C. a D. cannot be determined by given information
3	Question Image	
4	Question Image	
5	The circle $(x-2)^2 + (y+3)^2 = 4$ is not concentric with the circle	A. $(x-2)^2 + (y+3)^2 \leq 9$ B. $(x+2)^2 + (y-3)^2 = 4$ C. $(x-2)^2 + (y+3)^2 \leq 8$ D. $(x-2)^2 + (y+3)^2 \leq 5$
6	Question Image	
7	Question Image	
8	Question Image	A. A polynomial B. An inequality C. An identity D. A linear function
9	Question Image	
10	Question Image	
11	The sum of the series $1+5+9+13+17+21+25+29$ is	A. 140 B. 130 C. 120 D. 110
12	Question Image	
13	Question Image	D. None of these
14	0 (Zero) is	A. An irrational number B. A rational number C. A negative integer D. A positive number
15	Question Image	
16	If $2 \sin x \cos 2x = \sin x$ then?	
17	Question Image	
18	In the expansion of $(a + b)^n$ in every term the sum of the exponents of a and b is	A. n B. $n + 1$ C. $2n - 1$ D. $2n + 1$
19	The equation of the normal to the circle $x^2 + y^2 = 25$ at (4, 3) is	A. $3x - 4y = 0$ B. $3x - 4y = 5$ C. $4x + 3y = 5$ D. $4x + 3y = 25$
20	Question Image	A. 0 B. -25 C. 5 D. 45