

NAT II Physical Science Mathematics

Sr	Questions	Answers Choice
1	The number ways in which 5 distinct toys can be distributed among 3 children is	A. 3^5 B. 5^3 C. 3^5 D. 3^5
2	A fraction in which the degree of the numerator is less than the degree of the denominator is called	A. Polynomial B. Proper fraction C. Rational fraction D. Mixed fraction
3	If a statement S(n) is true for n = 1 and the truth of S(n) for n + K implies the truth of S(n) for S(n) = K + 1, then S(n) true for all	A. All Real numbers B. All integers C. Positive integers D. All complex numbers
4	Question Image	D. None
5	Question Image	
6	The nth term in G.P 3,-6,12,..... is	A. $3(-2)^{n-1}$ B. $2(-2)^{n+1}$ C. $3(-2)^n$ D. $4(-2)^{n-1}$
7	Question Image	D. None
8	Question Image	
9	Question Image	A. 2 B. 1 C. 3 D. 4
10	Question Image	A. Tan x B. X C. - x
11	The sum of the series 1+5+9+13+17+21+25+29 is	A. 140 B. 130 C. 120 D. 110
12	Cos 315°=	A. 0.707 B. 0.5 C. 1 D. 0
13	Question Image	D. -2-i
14	Question Image	A. Unit matrix B. Diagonal matrix C. Nilpotent matrix D. Zero matrix
15	The constant distance of all points of the circle from its centre is called the	A. Radius of the circle B. Secant of the circle C. Chord of the circle D. Diameter of the circle
16	Question Image	
17	Question Image	
18	In 30,60,90 triangle, if the smallest side is 6 then the side opposite to the angle of 60° is	A. 12 B. 3 D. 6
19	The conic is a parabola if	A. $e < 1$ B. $e > 1$ C. $e = 1$ D. $e = 0$
20	Question Image	A. (-1, 2)

