

NAT II Physical Science Mathematics

Sr	Questions	Answers Choice
1	Question Image	
2	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
3	Which of the vectors have opposite direction?	D. Both A and B
4	The value of the polynomial $3x^3 + 4x^2 - 5x + 4$ at $x = -1$ is	A. 12 B. 1 C. 10 D. -10
5	Which of the following integrals can be evaluated	
6	Question Image	A. 1 B. 2 C. 3 D. 4
7	Question Image	A. $A + B$ B. $C^{\sup>2\sup>/AB}$ C. $A^{\sup>2\sup>/BC}$ D. $B^{\sup>2\sup>/AC}$
8	Question Image	D. None of these
9	Question Image	A. An irrational number B. Whole number C. A positive integer D. A rational number
10	Question Image	
11	The range of inequality $x + 2 > 4$ is	A. (-1, 2) B. (-2, 2) D. None
12	Question Image	
13	A vector of magnitude zero is called	A. Position vector B. Null vector C. Free vector D. None of these
14	Which of the following is the equation of a line with slope 0 and passing through the point (4, 3)	A. $X = 4$ B. $X = -4$ C. $Y = 3$ D. $Y = -6$
15	If c is a constant number and if f is the function defined by the equation $f(x) = c$ for all values of x , then f is differentiable at every x and f is defined the equation $f'(x) =$ _____	A. f B. 1 C. C D. 0
16	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. $2n + 1$
17	What is a proper rational fraction?	D. All are proper rational fractions
18	Question Image	A. $A < G & H$ B. $A > G & H$ C. $A < G & H$ D. $A > G & H$
19	Question Image	
20	Question Image	