

NAT II Physical Science Mathematics

Sr	Questions	Answers Choice
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1	Question Image	
2	Question Image	A. (0, e) B. (0, 1) D. None
3	If K_1 : K_2 = 1 : 1 then the point P dividing the line is	A. Midpoint B. Extreme left point C. Extreme Right Point D. P lies out side k ₁ and k ₂
4	Sin(a + b) + Sin (a - b) =	A. Sin a Cos b B. Sin a Sin b C. Sin a + Cos b D. Sin a - 2 Cos b
5	Question Image	
6	Question Image	D. None of these
7	If A and B are matrices of same order than (,A + B)(A + B) =	A. A ² + B ² B. A ² + B ² + 2AB C. A + B D. A ² + B ² + AB + BA
8	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 $f(x) = \underline{\hspace{1cm}}$	A. f B. 1 C. C D. 0
9	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. $4x + 3y = 25$
10	Question Image	A. 1 B. 2 C. 3 D. 4
11	If $A = (3, 8)$ and $B = (5, 6)$, then the distance between A and B is	B. 2 C. 1 D. 6
12	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
13	For which of the following ordered pairs (s, t) is s + t > 2 and s - t < -3?	A. (3, 2) B. (2, 3) C. (1, 8) D. (0, 3)
14	Question Image	
15	Question Image	A. A polynomial B. An inequality C. An identity D. A linear function
16	6 is	A. A prime integer B. An irrational number C. A rational number D. An odd integer
17	Question Image	
18	If P(E) is the probability that can event will occur, then P(E) =	A. 1 B. 0.5 C. 2

		D. 0
19	In Binomial Expansion the coefficients of the terms equidistant from beginning and end of the expansion are	A. Zero B. Same C. Equal to preceding term D. Equal to following term
20	The common difference of the sequence 7,4,1, is	A. 1 B3 C. 5 D. 0