

## NAT II Physical Science Mathematics

Sr	Questions	Answers Choice
1	Question Image	1
2	The multiplicative inverse of x such that $x = 0$ is	Ax B. does not exist C. 1/x D. 0
3	Question Image	A. 0 B25 C. 5 D. 45
4	The graph of a quadratic function is	A. Circle B. Ellipse C. Parabola D. Hexagon
5	If the 19th term of A.P is 8 and the 4th term is 20, then the first term is	A. 20.2 B. 25.5 C. 27.5 D. 37.5
6	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)
7	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
8	The sum of the interior angles for a 16 sided polygon is	A. 4 pie B. 14 pie C. 8 pie D. 2 pie
9	Question Image	A. p < r B. p > r C. p + r < 0 D. p - r < 0
10	A vector of magnitude zero is called	A. Position vector B. Null vector C. Free vector D. None of these
11	Question Image	A. 15 B. 60 C. 90 D. 20
12	Question Image	
13	Question Image	A. Free vector B. Null vector C. Unit vector D. None of these
14	Which is an explicit function	D. All
15	Question Image	
16	Question Image	A. 1 B. 0 C2 D. 3
17	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
		A. Obtuse

18	If the angle of a triangle are in the ratio 2:3:7, the triangle is	B. Acute C. Right angle D. Isosceles
19	If $-1 < x < 0$ , which of the following statements must be true?	A. x < x <sup>2</sup> < x <sup>3</sup> B. x < x <sup>3</sup> < x <sup>2</sup> C. x <sup>2</sup> < x <sup>8</sup> < x <sup>2</sup> < x <sup>8</sup> < x <sup>3</sup> < x 5< x 6< x 7< x 8< x 9< x 9< x 
20	The common difference of the sequence 7,4,1, is	A. 1 B3 C. 5 D. 0