NAT II Physical Science Mathematics

Sr	Questions	Answers Choice
1	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
2	Question Image	A. A linear equation B. A cubic equation C. A quadratic equation D. An equation for circle
3	Question Image	A. Tan x B. X C. - x
4	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
5	How many elements are in the sample space of two rolling dies	A. 6 B. 12 C. 18 D. 36
6	The mid point of the line joining (-1, -3) to (3, -5) is	A. (1, 1) B. (1, -1) C. (2, -8) D. (1, -4)
7	Question Image	D. None of these
8	Question Image	A. 0 B. 1 C. -1 D. 2
9	The complement of set A relative to universal set U is the set	D. A - U
10	The multiplicative inverse of -1 in the set {1-, 1} is	A. 1 B. -1 C. <u>+</u>1 D. 0
11	If n is a positive integer, then 3+6+9+ ----------+3n =	
12	What is a proper rational fraction?	D. All are proper rational fractions
13	Question Image	
14	The associative angle of 280°is	A. 100° B. 10° C. 80° D. -80°
15	Two natural numbers whose sum is 25 and difference is 5, are	A. 25, 20 B. 20, 10 C. 20, 5 D. 15, 10
16	3/2 is	A. An irrational number B. Whole number C. A positive integer D. A rational number
17	The nth term of of A.P:1,5,9,15,..... is given by	A. 4n - 3 B. 4n + 1 C. 3n - 4

		C. 3n - 4 D. 4n + 3
18	The gradient of the line joining (1, 4) and (-2, 5) is	A. 3/8 B. -2 2/3 C. -1/3 D. 2
19	Question Image	
20	120 degrees are equal to how many radians?	