

NAT II Physical Science Mathematics


Sr	Questions	Answers Choice
1	Question Image	D. None
2	Question Image	A. 2 B. 1 C. 0
3	Question Image	A. <div>Both A,B have the same number of columns</div> B. <div>Both A and B do not have the same order</div> C. <div>Number of col A is same as number of rows of B</div> D. <div>Number of rows of A is same as number of col of B</div>
4	If $f_1(x)$ and $f_2(x)$ are any two anti derivatives of a function $F(x)$, then the value of $f_1(x) - f_2(x) =$	A. A variable B. A constant C. undefined D. infinity
5	Question Image	
6	Question Image	A. A linear equation B. A cubic equation C. A quadratic equation D. An equation for circle
7	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
8	If α and β be irrational roots of a quadratic equation, then	
9	6 is	A. A prime integer B. An irrational number C. A rational number D. An odd integer
10	Question Image	
11	A relation in which the equality is true only for some values of the unknown variable is called	A. An identity B. An equation C. A polynomial D. Inverse function
12	If $P(E)$ is the probability that an event will occur, then $P(E) =$	A. 1 B. 0.5 C. 2 D. 0
13	The multiplicative inverse of x such that $x = 0$ is	A. $-x$ B. does not exist C. $1/x$ D. 0
14	The magnitude of a vector can never be	A. Zero B. Negative C. Positive D. Absolute
15	$\cos 315^\circ =$	A. 0.707 B. 0.5 C. 1 D. 0
16	The set $\{\{a,b\}\}$ is	A. Infinite set B. Singleton set C. Two points set D. None
17	A die is thrown. What is the probability that there is a prime number on the top?	A. $1/2$ B. $1/3$ C. $1/6$ D. $5/6$

18 The set of complex numbers forms a group under the binary operation of

- A. Addition
B. Multiplication
C. Division
D. Subtraction

19 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. $2n + 1$

20 

- A. 10
B. 20
C. 40
D. 26