

NAT II Physical Science Mathematics

Sr	Questions	Answers Choice
1	Which of the following integrals can be evaluated	
2	The line joining (1, 3) to (a, b) has unit gradient then	A. $a-b = -2$ B. $a+b = 0$ C. $a-b = 5$ D. $2a+3b=1$
3	Which is not a half plane	A. $ax + by < c$ B. $ax + by > c$ C. Both A and B D. None
4	The multiplicative inverse of x such that $x = 0$ is	A. $-x$ B. does not exist C. $1/x$ D. 0
5	The values of n such that, in the binomial expansion of $(1 - x)^n$, co-efficient of x^2 , co-efficient of x^2 is 3, are	A. -2, -3 B. 2, -3 C. -2, 3 D. None of these
6	Question Image	
7	How many elements are in the sample space of two rolling dies	A. 6 B. 12 C. 18 D. 36
8	Question Image	
9	Question Image	A. 1 B. 2 C. 3 D. 4
10	The direction cosines of y-axis are	A. 1,0,0 B. 0,1,0 C. 0,0,1 D. 1,1,1
11	Period of $\sin 2x =$	
12	Unit vector in the positive direction of x-axis is	D. All
13	Question Image	
14	The Domain of $f(x) = \log x$ is	
15	The nth term in G.P 3,-6,12,..... is	A. $3(-2)^{n-1}$ B. $2(-2)^{n+1}$ C. $3(-2)^n$ D. $4(-2)^{n-1}$
16	Question Image	
17	Question Image	
18	Question Image	
19	The set of complex numbers forms a group under the binary operation of	A. Addition B. Multiplication C. Division D. Subtraction
20	Question Image	