

NAT I Engineering Mathematics

Sr	Questions	Answers Choice
1	The number of diagonals of a six sided figure are	A. 9 B. 6 C. 12 D. 3
2	If C^{n}_{r} , $P^{n}_{r} = 24:1$ then $r = ?$	A. 1 B. 2 C. 3 D. 4
3	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. 2/3
4	If A and B are two events then $P(A \cup B) = ?$ (when A and B are disjoint)	A. P(A) - P(B) B. P(A) x P(B) C. P(A) + P(B) D. P(A) + P(B) -P(A∩B)
5	Two dice are rolled The number of possible out come in which at least one die shows 2 is?	A. 5 B. 12 C. 11 D. 7
6	The number of ways in which we can courier 5 packets to 10 cities is	A. 2 x 5 ^o B. 5 ¹⁰ C. 10 ⁵ D. 2 ¹⁰
7	The average of first 100 integers is=	A. 50 1/2 B. 25 1/4 C. 100 D. 5050
8	Sum of integers starting from to n is	A. n(n+1)/4 B. n(n+1)/6 C. n(n+1)/2 D. n(n-1)/2
9	The fifth term of the sequence $a_n = 3n - 2$ is	A. 3 B3 C. 13 D13
10	A sequence of numbers whose reciprocals forms an arithmetic sequence is called	A. Harmonic series B. Arithmetic series C. Harmonic sequence D. Geometric sequence