

Mathematics ECAT Pre Engineering Chapter 10 Mathematical Inductions Online Test

Sr	Questions	Answers Choice
1	The middle term(s) of (a+x)11 is	A. 6th term B. 6thor 7th C. 7th term D. 6thand7th
2	The proposition $S(n)$ for any $n \in N$ is only true if $k \in N$ and	A. S(k +1) is true B. S(1) is true and S(k+1) is true whenever S (k) is true C. S(k+1) is true whenever S (k) is true D. S(k) is true
3	The coefficient of xn in the expansion of (1-2x)-1 is	A. (-1)n2n B. 2n C. (-1)(n+1)xr D. (n+1)2n
4	The proposition S(n) is true \forall n \in N,S(k+1) true whenis true	A. S(1) B. Both a & C. S(k) D. None
5	There is no integer n for which 3n is	A. Even B. Prime C. Odd D. Real
6	The sum even binomial coefficient of (3+2x)5 isterm	A. 16 B. 30 C. 8 D. 32