n Cr 1) 0/=1

1) 0/=/

3) nCo = n Cn = 1

4) n Cr = n Cmr

5) nG= (n+)/ti

6) pascalal station

125

- + 4 B-4 -1 - - n

dir Gr=mCd+mCr)

6=3+3

n) n+ (2+ = (n+)! (2+);

 $n+G_{+}=\frac{(n-1)^{2}}{(n-1)^{2}(2-1)^{2}}\frac{n}{n}$

 $= \frac{n!}{(n+1)i i} \cdot \frac{1}{n}$

= nGrin

: [nG= nnG+

8) m Cr = (n-1)!

 $=\frac{(n+1)!(n+1)\cdot\delta!}{(n+1)!(n-1)\cdot\delta!}$

 $=\frac{n!(n-+)}{(n-+)! \cdot n}$

 $=\frac{n-r}{n}\cdot nCr$

in G= no mo

P) nG+ = (n++):(6+);

 $=\frac{n' r}{(n+H)(n+)'(n+1)'r}$

= n: r

: = nCr. n-+4

: [n G = n++ .n G+

10) nPr = ni (n-+);

= nizi = m(r. r!

in (= finfr

(2)