Program :-10

Computing nCr using   Name :- Yogesh.T
nCr recursions   USN :- 1BM19CS1??

```
.model small
.data
n    db   05H
r    db   02H
ncrval  dw  01H dup (?)

.code
start :  mov  ax, @data
         mov  ds,  ax
         mov  cl,  r
         mov  ch,  n
         XOR  ax, ax
         call  ncr
         mov  [ncrval], ax
         mov  ah, 4ch
         int  21h

ncr proc near
         cmp  ch, cl
         je   equal
         jc   finish
         cmp  cl, 01h
         je   next
         cmp  cl, 00h
         je   equal
         dec  ch
         push cx
         call ncr
         pop  cx
         dec  cl
         call ncr
         ret
```

```
Next :   xor   bx, bx
         mov   Bl, ch
         add   ax, bx
ret
equal : add   ax, 0lh
finish :  ret
ncx end D

end Start.
```