

(70)

$$7 \times 7 = 49 \pmod{15} = 4 \times 7 = 28 \pmod{15}$$

$$= 13 \times 7 = 91 \pmod{15} = 1$$

$$\Rightarrow \boxed{O(7) = 3} \quad \underline{\text{option (a)}}$$

(22)

 $P_n(t) \rightarrow$ space of poly. deg $\leq n$

$$\Rightarrow \boxed{\dim P_n(t) = n+1} \quad \underline{\text{option (c)}}$$

(73)

(D)

(74)

N.O.T