26 June 2013 (GK, AIK) K-times 05 (hk-1 Ame 3 reaturgize is (L+1) X |

 $f: \mathbb{R}^n \longrightarrow \mathbb{R}$ C(IR)  $\sum_{n} (\alpha)$  $\Sigma^n(\alpha) \subset C(\mathbb{R}^n)$ YE>O, Yfec(IR"), Jge Σ"(G) 3 ||f-2||<€"

In(a) is "uniformly dense on compacta" in c(IR") it

+ K (compact) CIR, Em (h) is dense in  $C(IR^n)$ .

"A seamence { In} -> f "unitormy

on compactor" if  $+ K \subset \mathbb{R}^n$ ,  $|f_n - f| \rightarrow 0$  as  $n \rightarrow \infty$ ".

Pota  
ANAMAN  

$$Y$$
  
 $\overline{X}_{1}$ ,  $\overline{X}_{2}$ ,  $\overline{X}_{3}$ .  $\overline{X}_{K}$   $\in \mathbb{R}^{n}$   
 $\downarrow$   
 $f_{1}$   $f_{2}$   $f_{k}$   $\in \Sigma^{n}(G)$   
 $f_{3}$   $f_{4}$   $f_{5}$   $f_{7}$   $f_{8}$   $f$ 



