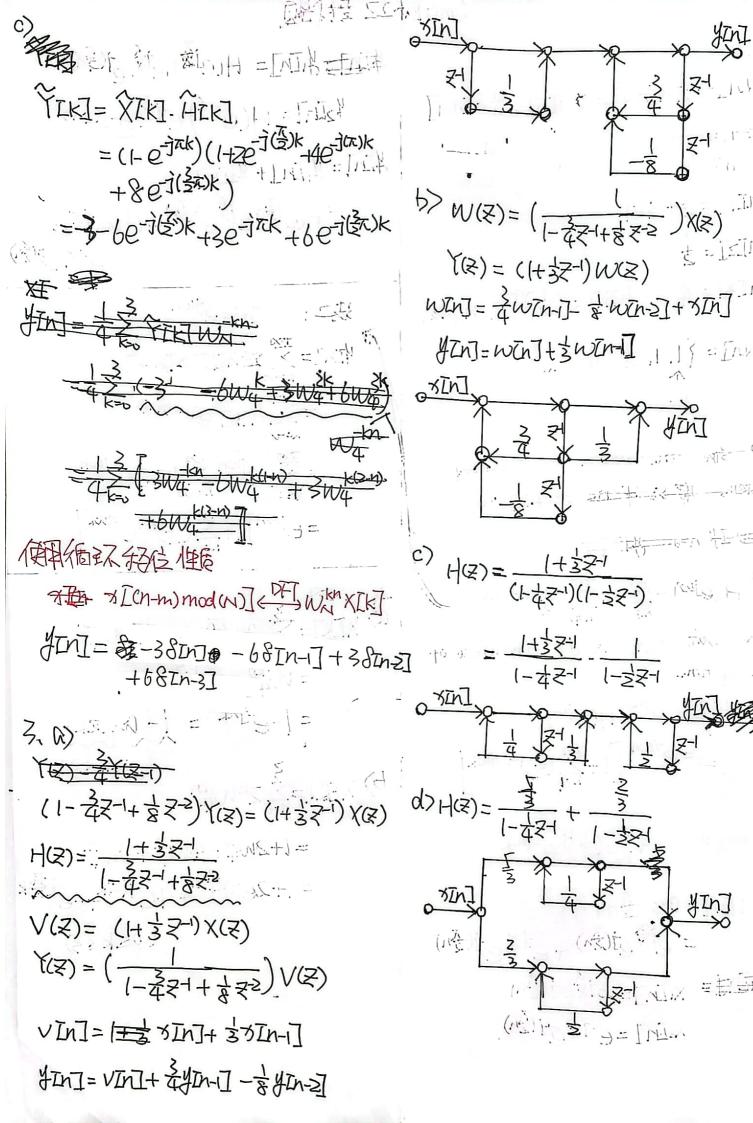
2021 22 考甘题 #INT= YIN] = H(e) & e) & e) & e) & hIn] = \$ hIn-1] = \$ 8In] + = 8In-1] hlo]=12-3 MIZI= = (S) (1-5/2+1 = (S) h[3]=4 h[n]=(=)n-1 n>0 MM= 81, 1, 2, 4, 5, 1, 12 = [M) Since the system is a causal System, \$ 50 f noo, you -0. MO If No HIOT b) H(ejw) = \$1+\frac{1}{k1}(\frac{1}{2})k1-jwk The input SINI is the eigenvalue of the system. fin] = ejwn H(ejw) = 8 jun [1+ = (=) kejuk] : (3)H(b) d) *[n] = 00s (5n+8). 二岁意识(圣的) 起产量 #IN] = XI[N] = Zej8ej(Zh) 7/2[n] = 1e-j8@j(Zh)

YzIn]= H(ej) ej8. e-j(3n). j JIN] = Y, IN] + YZIN]. H(e)=) e)= H(e)=) +H(e)=) 选二: MM=ejwn y[n]= 芸をh[k] y[n-k] = Zhizi ejw(h-k) Jun Shiki o Juk = ejwn[(+ \(\frac{1}{2}\) k-1 e-jwk MET I DINNING MENTER a> X[K]= 2 005(至h) 概如 W4 工 = 1 (S-N = Wko - W4-2) = + = 1-0 jak = 1- (05(TCK) > (U<k=3). b) HER= \$ 2 nW (5 / 1) =1+2w4+4w4+8w4 = 1+20寸(至)水+40寸(元米+80寸(至)水 (\$)/((OSK 3)) (S) N (SER + 1==) = (S) 「一個できれているませっ」「い」 18-V74 8- [1-V1] = +7V. : [VI]



M Ucld Even Symneone B=0 B=0 Impulse 8=लि response 9= N-1 hInj-Anti-Symmetric g= 2 no(E) $ha(t) = 2e^{-2t} - e^{-t}$ hIn]= Ts.hInTs]= Ts. [2e-XnTs)_e-(nTs)] H(z)= 2Ts - Ts 1-e-15z-1 6. a) ye=47 M= a=== Filter length M=F 2= M-1 = 2 12-5n, 2<n=4 htal={ hin]= hain] hEn]= 80, 4, 4, 4, 4, 0

b) Wc= 0.57 M=21 2= -10 hIn]= 8[n-a] - SIN[woon-a)] = 8 In-10] - SIN[v.57c(n-10)]
7c(n-10) Only Hamming window and Blackman hinday can be used. We wont use minimum filter length. \$0 \$1 Choose Hamming uindow. 10 2011 ΔW= 0.012 = 6.2/2 ≥ 250, NOI M=126 ⇒ Filter length is 127 htn = 8/10-1201 2=63 MCKYR hIn] = SIN[0:57(1-1263)]. wIn] \$ 6.(a) hd[n-2] = Sin[47(h-2)]
77(h-2) Bartlett 窗第一项和最后一项均分。 叔不要取, 取中同上项。所以港波器 要榜行了的意,多,1,意意的。 WIN]= {\frac{1}{3}n, Denss 130 2-3n 3<n56. hIn]=hdIn=].wIn] 二分点、最、品、最、品、

