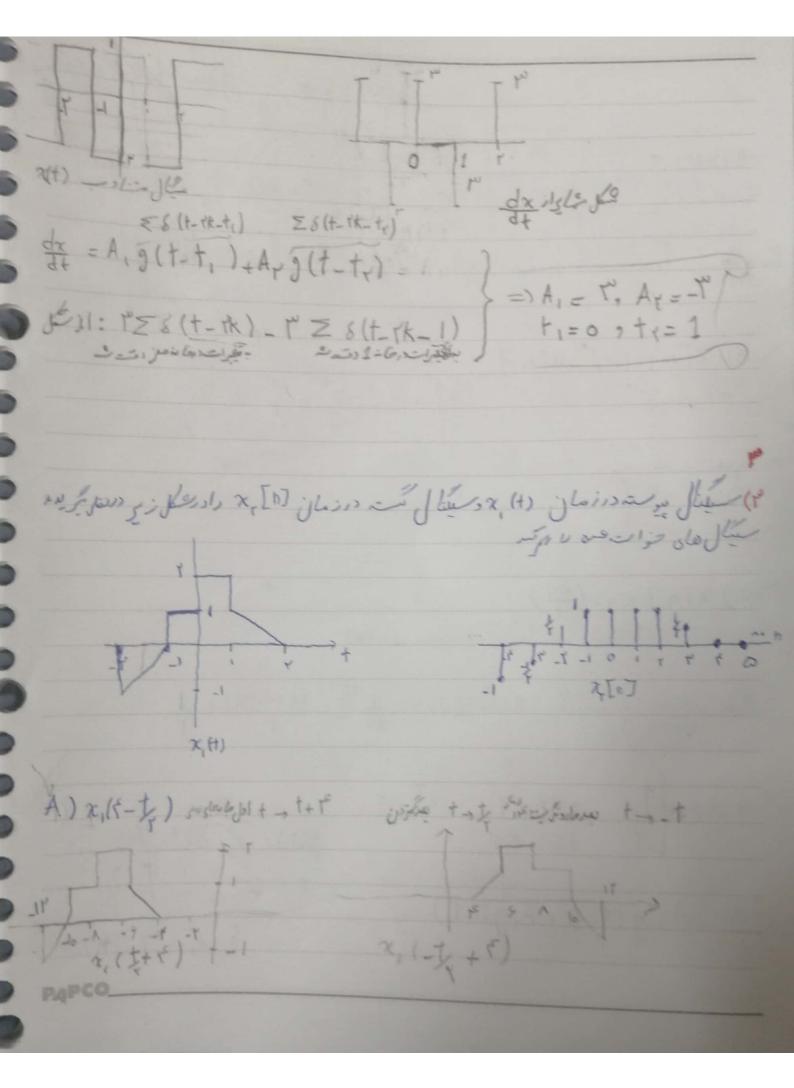
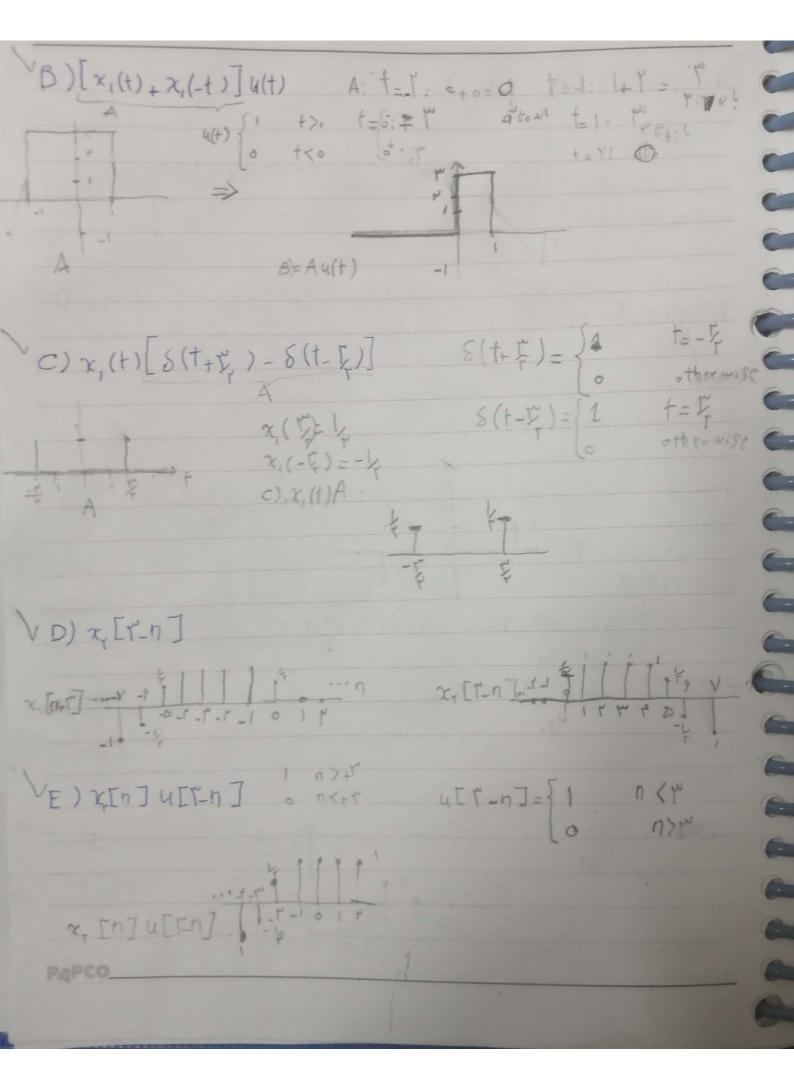
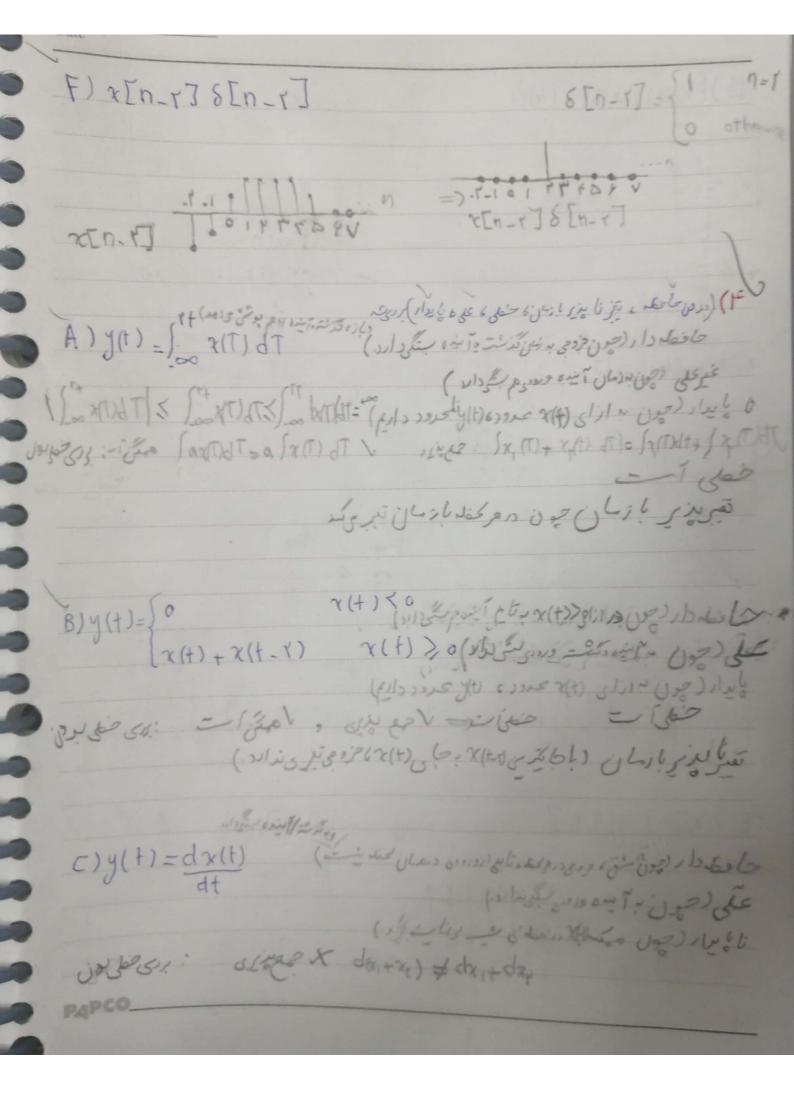
Subject: Pr :>. & خدوفان زارع زاري Jul 105 05 E= 100 (1+ 12) Wo = 1 0 = 12 -10 = 17

E= = 100 = 0(1+ 12) dt = 0 | Pap = limit | Transit | Tran B=lin 1 [[Letrip = / [- + dt = / (T-+T)=1 | E = [x(t)] dt VB) X[n]-(k)" u[n] = = (k)"= |x 1-12"= = E ~ (=) P00=0 VC) X[n]=cos(nn) En = 2 cos (DM) = 14 1/40+/+1+...... Poolin 1 E cosing slim 1 E 1+cospe) = 1 $x(t) = \begin{cases} 1 & \text{ort} < 1 & \text{T} = 7 \\ -7 & 18t < 1 \end{cases}$ g(t)= \(\frac{1}{2} \) \(8(t-\frac{1}{2}k) \) dx = A, g(t-t,) + A, g(t-t,) S=A,oto Arots

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SS: 3/11/2 مرن حافظه (جون وه ورم محط عاد الدوي درمان محل عاد الدوي درمان محل عاد الدوي درمان محل عاد الدوي درمان محل عاد المحل عاد المحدد المورواد مان، النيت دان برجه ما فتلف ع ووي تو ي $A) y [n] = \begin{cases} x[n-1] & n \geq 1 \\ 0 & n = 0 \end{cases}$ $\left\{ x[n] & n \leq 1 \end{cases}$ $digraphing = \begin{cases} y[n] = \int 0 & n=1 \\ 0 & n=0 \end{cases}$ B) $y(t) = \int_{-\infty}^{t} e^{-(t-T)} \chi(T) dT$ Organix (t) + dx(t)

- 120036 2112 (t) = 0 += 5 D) y [n]= x [rn] معکوی نزویت Dxy = [x(+T)y(T) dT Фух (+) , Фху (+) мы (i) Seles \$ 4 x (t) 138 (.

2) Oyy = Sylt-T)g(+) dT = Sx(+,T)x(+)dT =>Pyy = Pxx(+) dxy = [x(++T) y(T) dT => Axy(+) = Pxx+T) $y(t) = \sum_{n=-\infty}^{\infty} x(t) \delta(t-nT) = \sum_{n=-\infty}^{\infty} x(nT) \delta(t-nT) = \int_{0}^{\infty} f(x(t)) + \int_{0}^{\infty} f(x(t)) dt$ =>(n)=x(nT) = (nT) = (nT) = (x(1) n=1 $\sum_{n=0}^{N-1} \alpha^n = \int_{-\infty}^{N-1} N = \alpha = 1$ $\int_{-\infty}^{N-1} \frac{1}{1-\alpha} \int_{-\infty}^{N-1} \int_{-\infty}^{N-1}$ a=1 -> = 1 = 1 + 1 + 1 = 1+1+ 1 = N ~ + 1 finallis: 31: x: 12-lats = = a, 1-4" = x 1-x" = 1-x"

5 an = 1 | alx | => Z = a, 1 = 1 = 1 = x 10K1 -- Ka<1 =>1/60/< 1 = 1/4/<1 = 1/10 0 0 = 0 => 1-a/-1 => = x/-1-a = 1-a Z nan = a lakt mas bi(> はなしているはは、」」ことは「して = Enq"= Enq"= 1: = A= 1 8 (4) cos(n) Job (2000) 10 (1) = 1 (1/2) x 6/2) + ((1/2) x 6 0 =) =0 11/ おしまりらう と(を-ひた) = 45 + 147 PAPCO

A) $y(t) = \frac{1}{x(t)} \left[\frac{dx(t)}{dt} \right]$ $5 = \frac{1}{x(t)} \left[\frac{dx_1(t)}{dt} + \frac{1}{x_1(t)} \right]^{\frac{1}{2}}$ $\frac{1}{x(t)} = \frac{1}{x(t)} \left[\frac{dx_1(t)}{dt} + \frac{1}{x_1(t)} \right]^{\frac{1}{2}}$ $\frac{1}{x(t)} = \frac{1}{x(t)} \left[\frac{dx_1(t)}{dt} + \frac{1}{x_1(t)} \right]^{\frac{1}{2}}$ $\frac{1}{x(t)} = \frac{1}{x(t)} \left[\frac{dx_1(t)}{dt} + \frac{1}{x_1(t)} + \frac{1}{x_1(t)} \right]^{\frac{1}{2}}$ $\frac{1}{x(t)} = \frac{1}{x(t)} \left[\frac{dx_1(t)}{dt} + \frac{1}{x_1(t)} + \frac{1}{$ $8)y[n] = \begin{cases} \frac{x[n]x[nx]}{x[n-1]} & x[n-1] \neq 0 \\ 0 & x[n-1] = 0 \end{cases}$ 8228: X, [n] = [S[n+1] + [S[n+1] + [S[n]]] " [] [n] = 0 9, [0] = []

X+ [n] = [S[n+1] + [S[n+1] + [S[n]]] 9, [0] = [] 1x1+x7 1: x4 [U] = V8[U+1] + 48[8+1] + 88[U] コックト= ちょうとの コ からっとう。 5 x 30 55 1 2 Loff axa = a = y - ay wood