Mid Sem. Exam. 2017 · (Solution)

$$x(t) = [u(t+1) - u(t-1)] - 8(t+1) - 8(t+1)$$

$$x(t) = \begin{cases} x(t) = x(t) \\ x(t)$$

at
$$e=0$$
 $P_x = R_{xx}(0) = \frac{A^2}{2}$.

$$P_{\chi^2} D_0^2 + 2 \stackrel{2}{\leq} [D_n]^2 \perp$$

= e-t u(-t) & S(t) + e-t u(-t) a g. [S(t)]

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= e-t.u(-t) * 8(t) + 8(t) * 2 (e-t, u(+)) ]
 = e-t.u(-t) + sti[-e-t u(-t) + e-t s(-t)]
    = e-tu(-t) - e-tu(-t) - e-ts(-t)
     =-e-t 8(-t)
     = -S(t)
 No of Pulses .. [ = 00. 2.
  for (1) For (0)
                           Palti
N-30 (2N
NL+3N)
                              [P20] 3
   X[m] = = x[k] g[m-k].
      X[n]=0 55[n]519 2 [m]=15
                              + 12 0 x 0 + 5 x 3 = 15
          x[m] = 5x5 + 5x5 = 50
                                     0x075x2=10
                                     0 x 0 + 5 x 1=5
          5x4+0=20
                                I IU
          TX3 +0 = 15
                                ± 15 0
           5 \times 2 + 0 = 10
            5X1 + 0 = 5
                                 ± 18
                                          0,
              0×0+5×1=5
      + 10
               0x0+5×4=20
      工川
                 [m]x T
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Q. U. .

