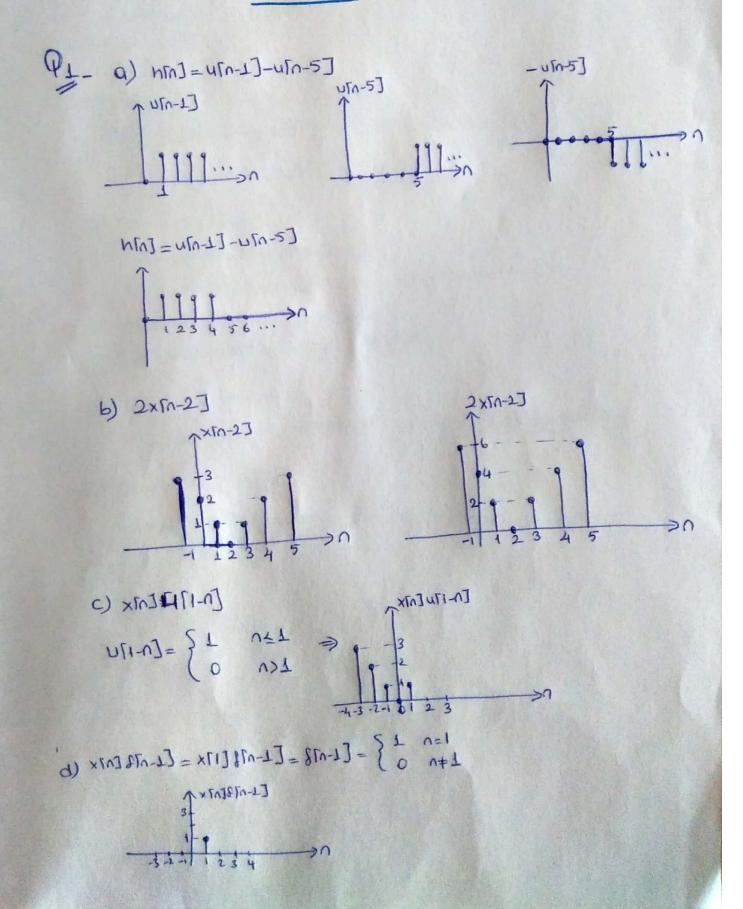
BME 3161 BIOSIGNAL PROCESSING - HWL SOLUTIONS



P2 yraj = xraj + nxra+ 1]

- a) Linearity
- ENTIN OF ENTIN = CATIK
- 43/NJ = CIXIFN + C2X2FN) + O (CIXIFN+L) + C2X2 FN+L)

Y31NJ = CIYITNJ + CZYZINJ => LINEAR

b) Time-invariance

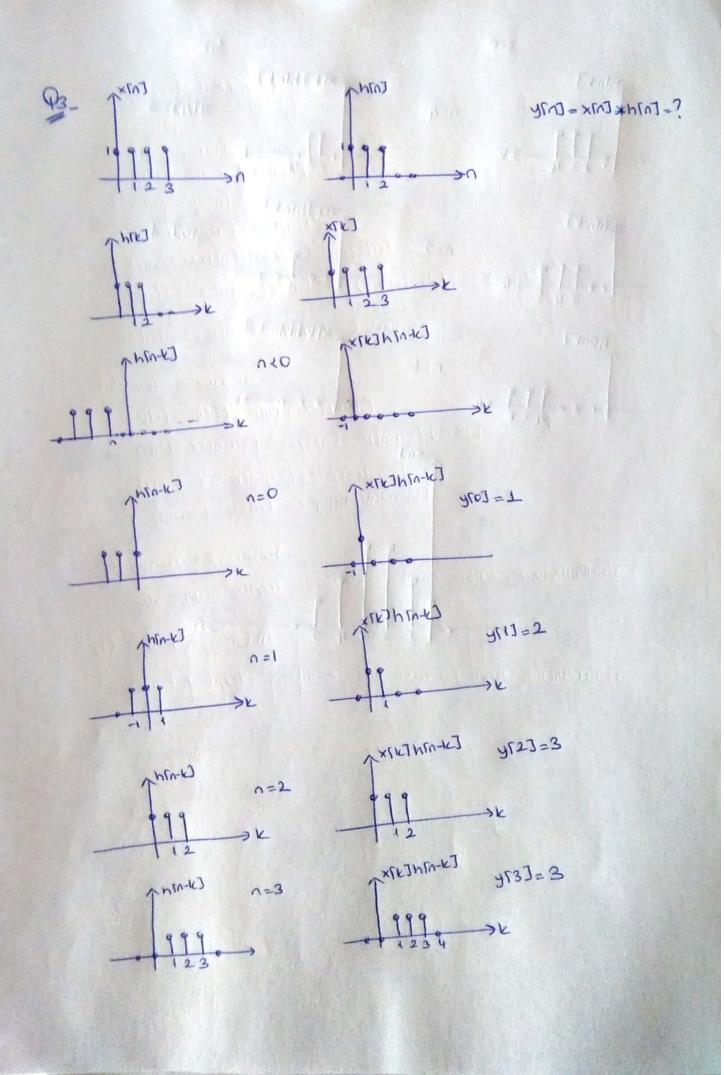
 $[Con-1+n] \times n + [Con-n] \times -[Con-n] \times -[Con$

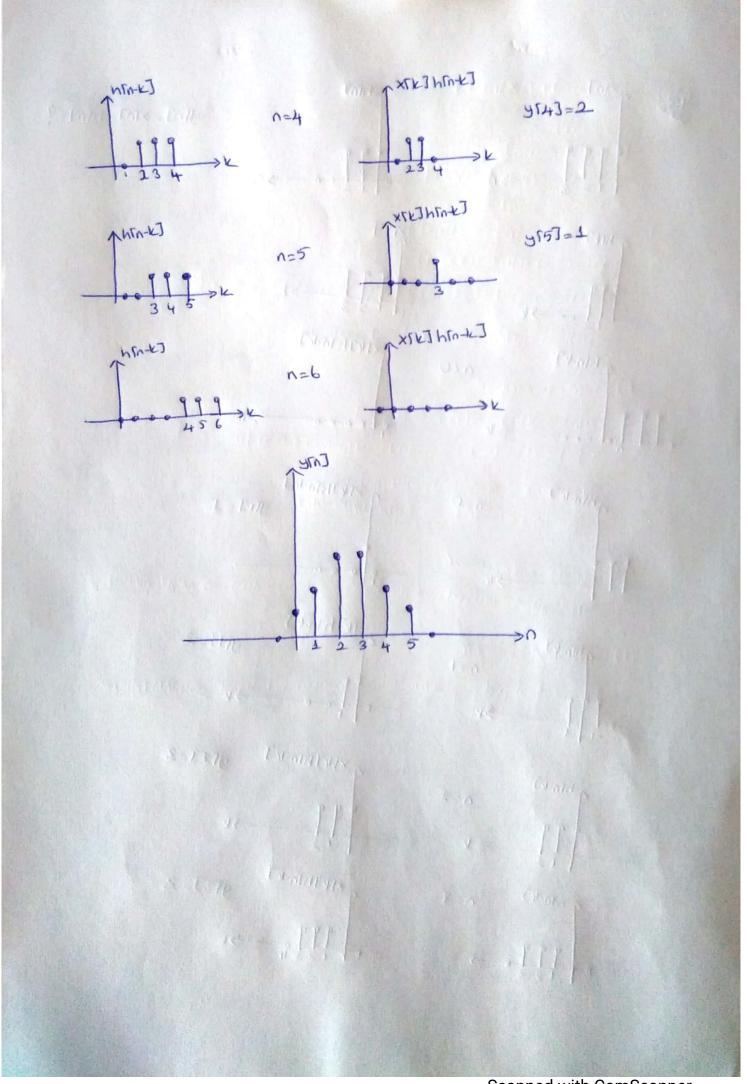
- C) Casual Inancausal

 The system output depend on future values => NONICAUSAL

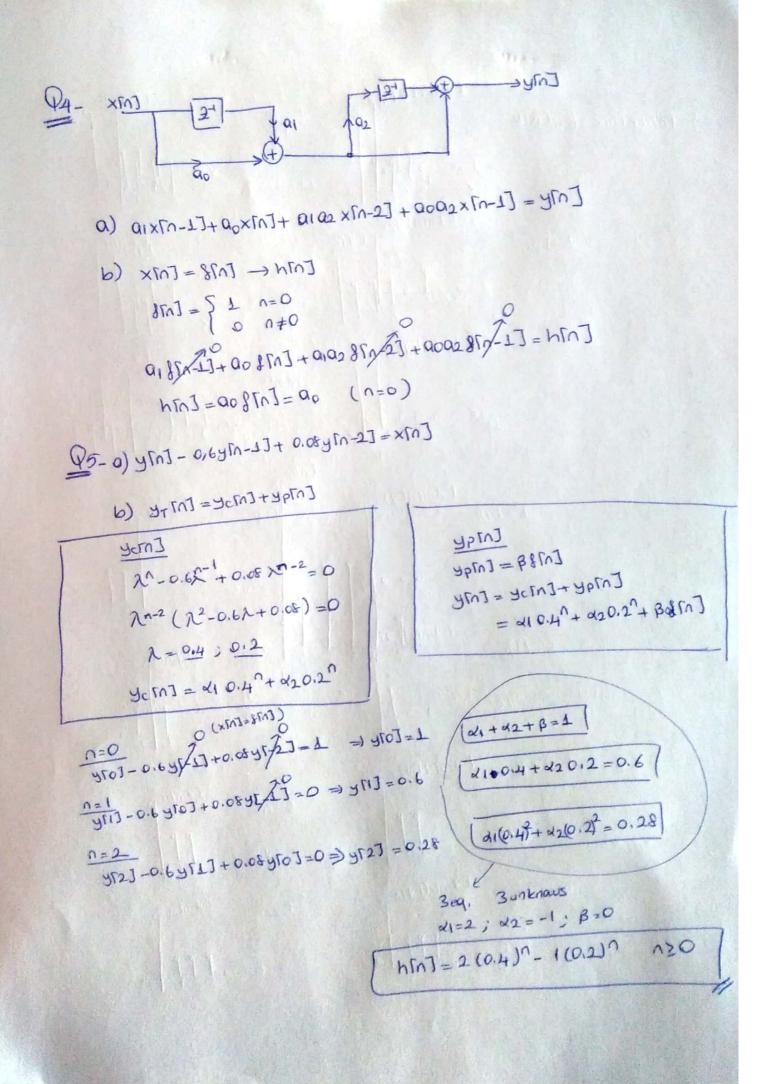
 (XINHI))
- d) State / Unstable

 Bounded input produces on unbounded input & UNSTABLE





Scanned with CamScanner



Scanned with CamScanner