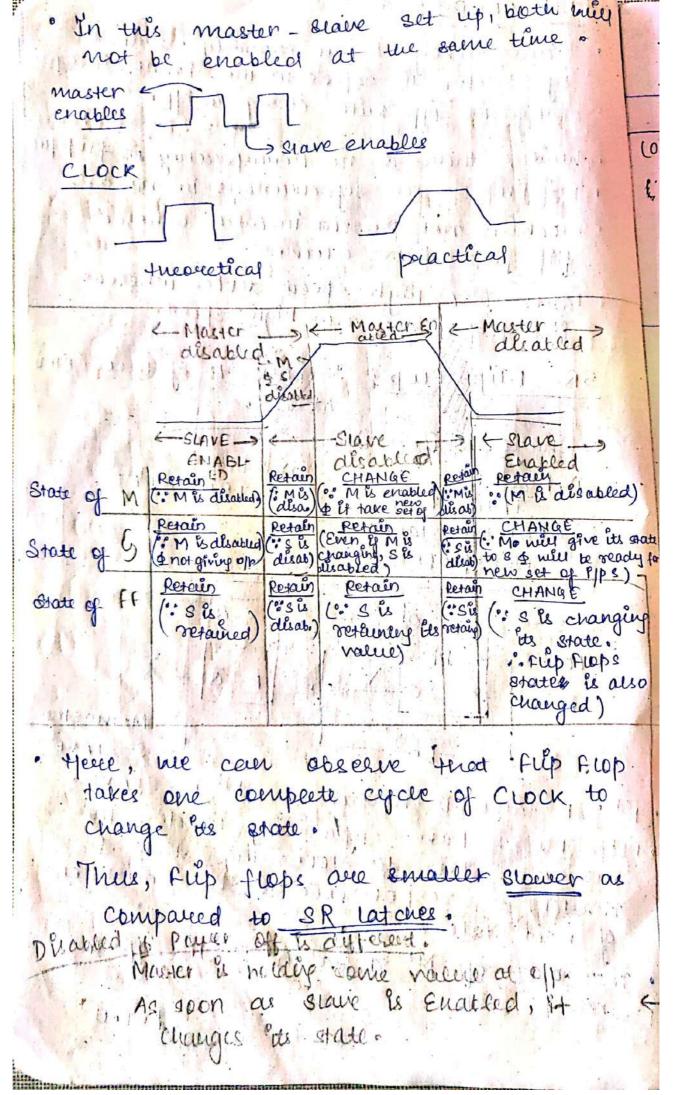
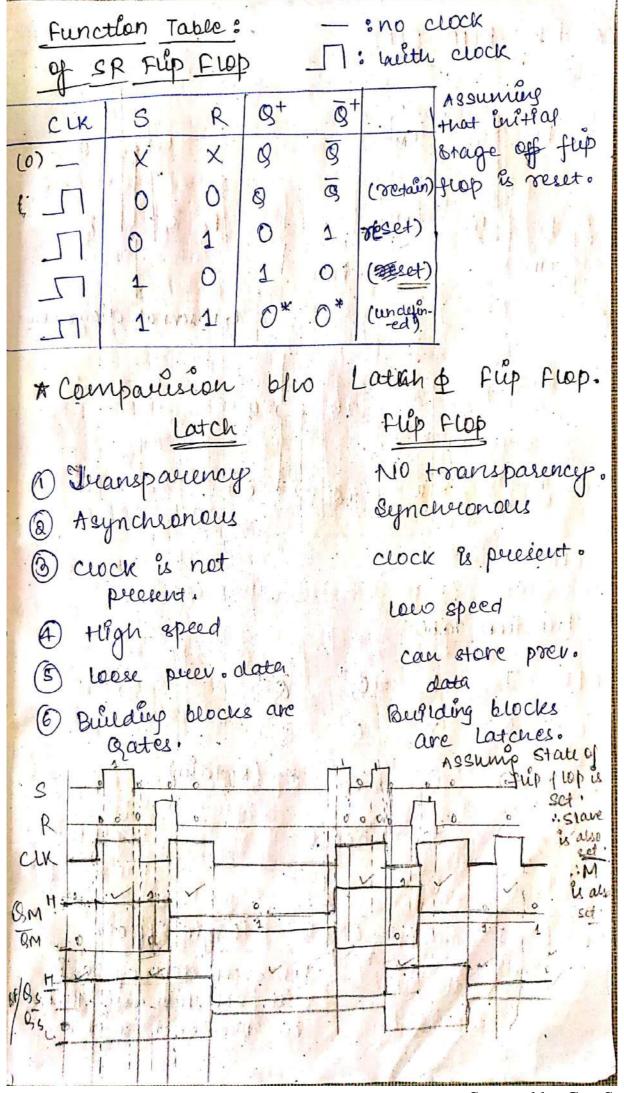
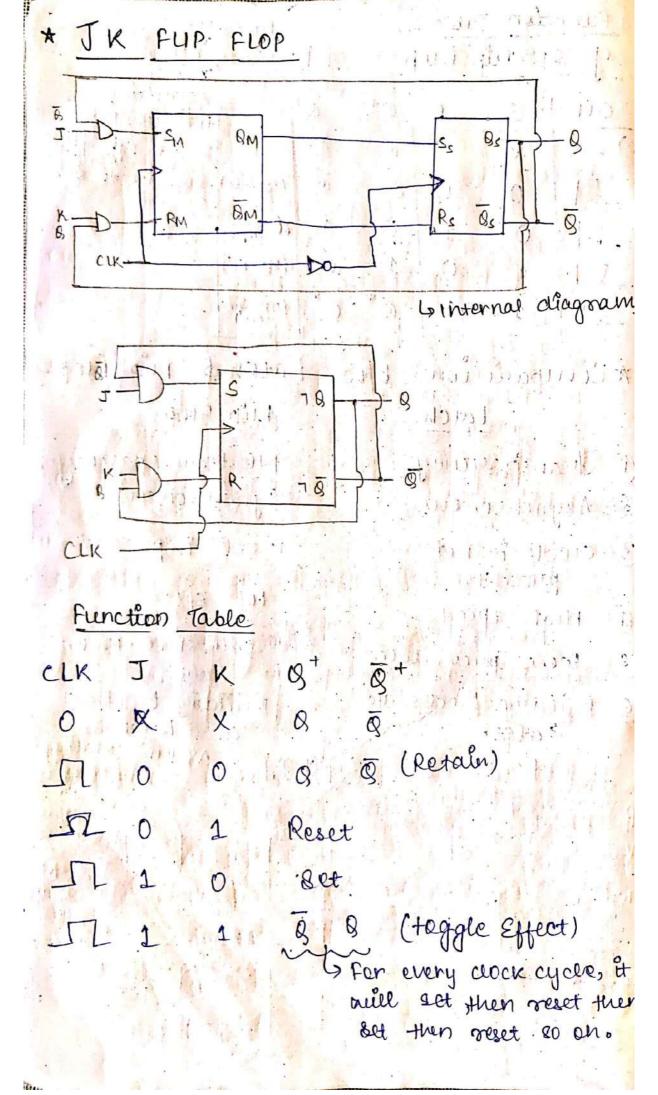


## · Transparency & the property exhibited by latch. A refers to the immediate \* FLIP FLOPS: change in ofp with change in Alp. · hine, there is no transparency in frip from · fup flops auc synchoconous la nature. · Clock is not present in later whereas flip flops have clock. · later le a uigh speed airlée vénérals flip flops are not high speed. SR Flip Flop: It consists of two GATED tatcheso · Character ised into: D.PULSE TRIGGERED TRIGGERED (Master Clave) M CLOCK M=master S=SLAVE 1st SR latch & master & and & SLAVE. · Filt Figs have capability to store the value. .. Slave de stores the storte of master is responsible to the generation of new states. · The state of 1st SR latch is the Esp to and sp latch. PUTOU



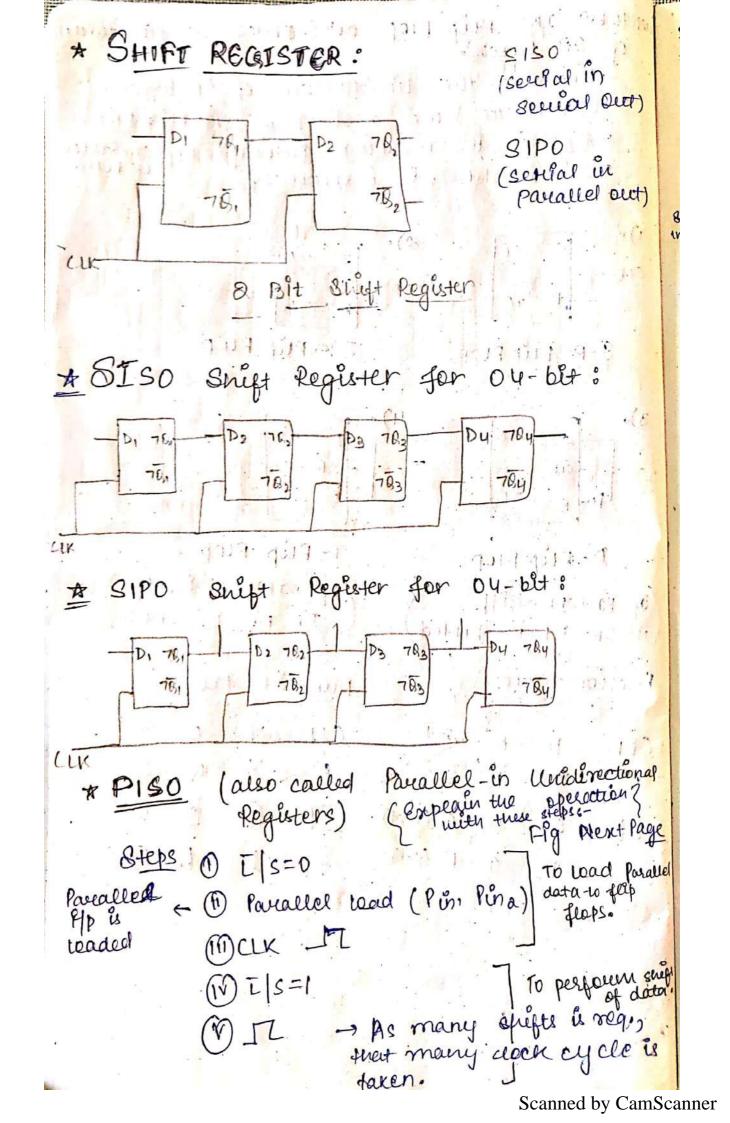


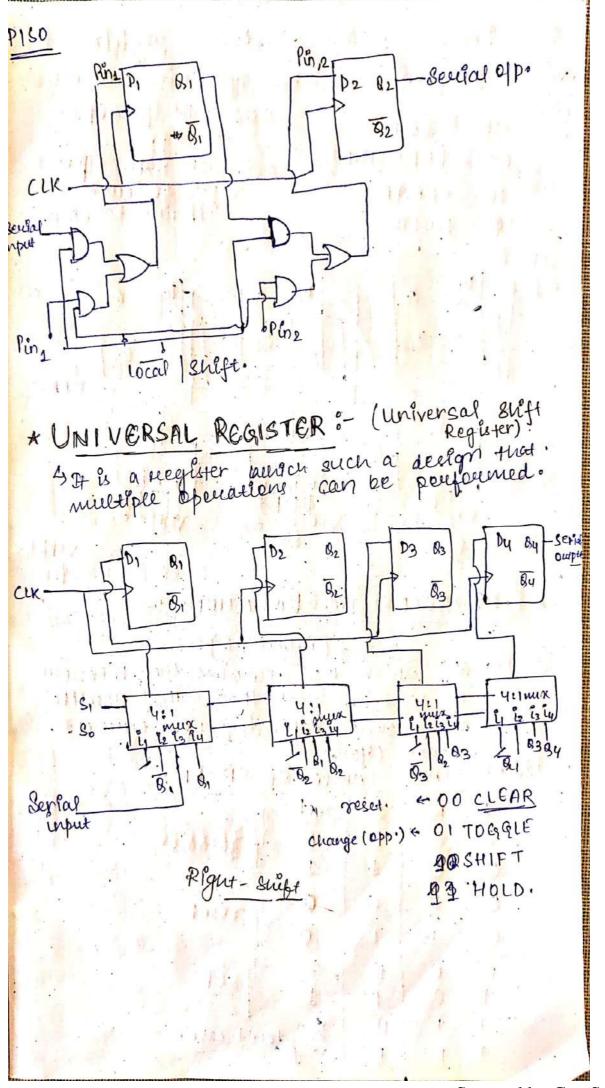
Scanned by CamScanner

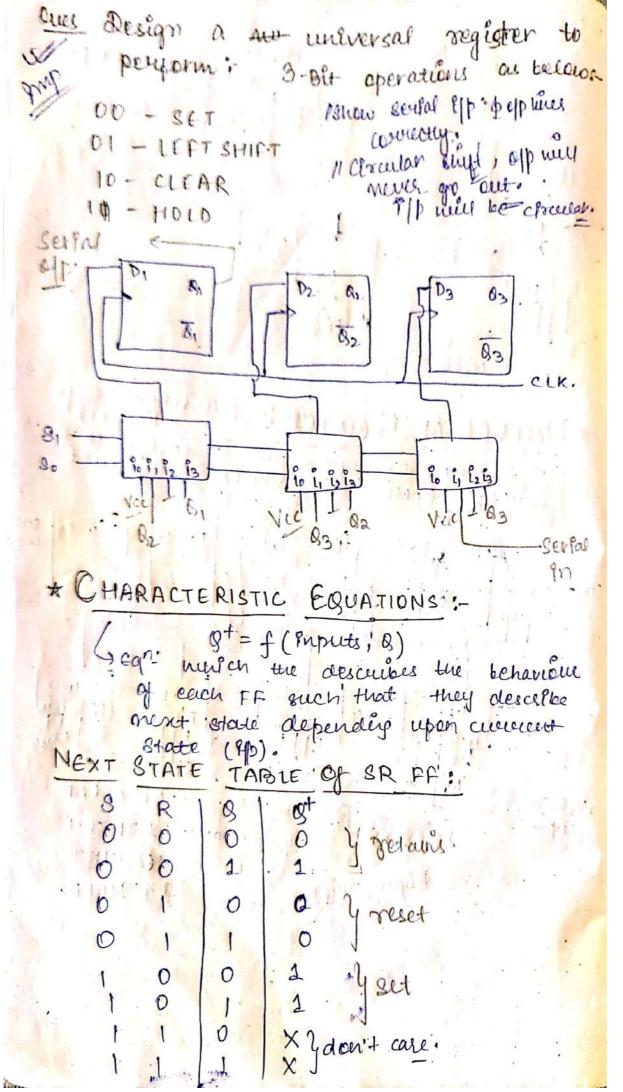


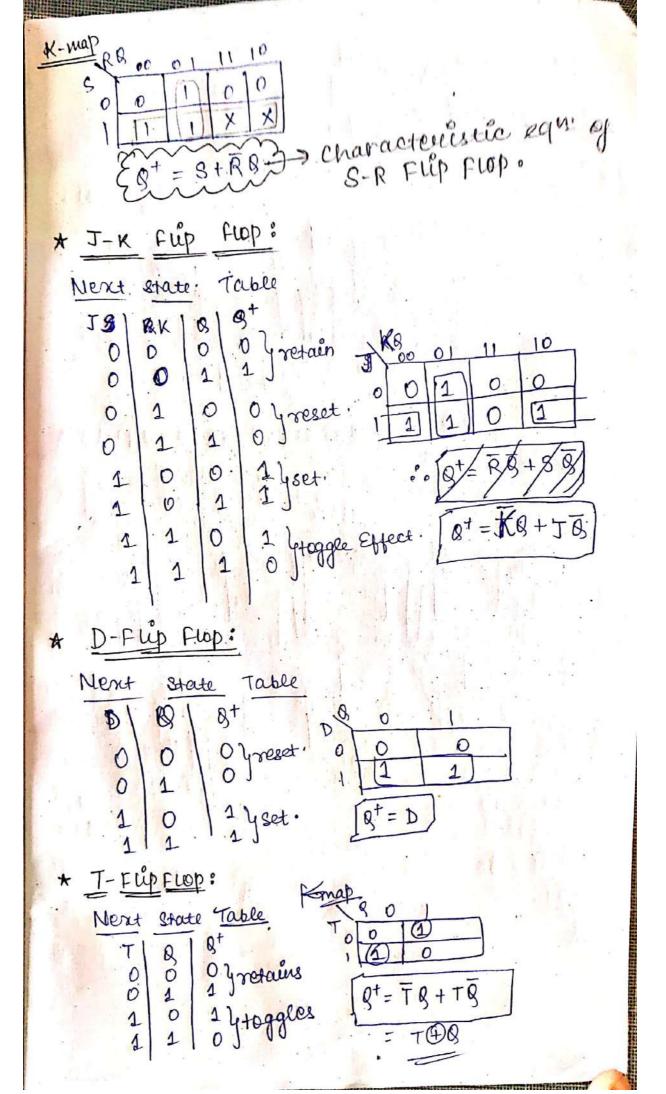
MON JK Flip Flop overcomes the constation of aR Laten? Describe the limitations of SR latch. · Introduce the design of TK Flip Flop.

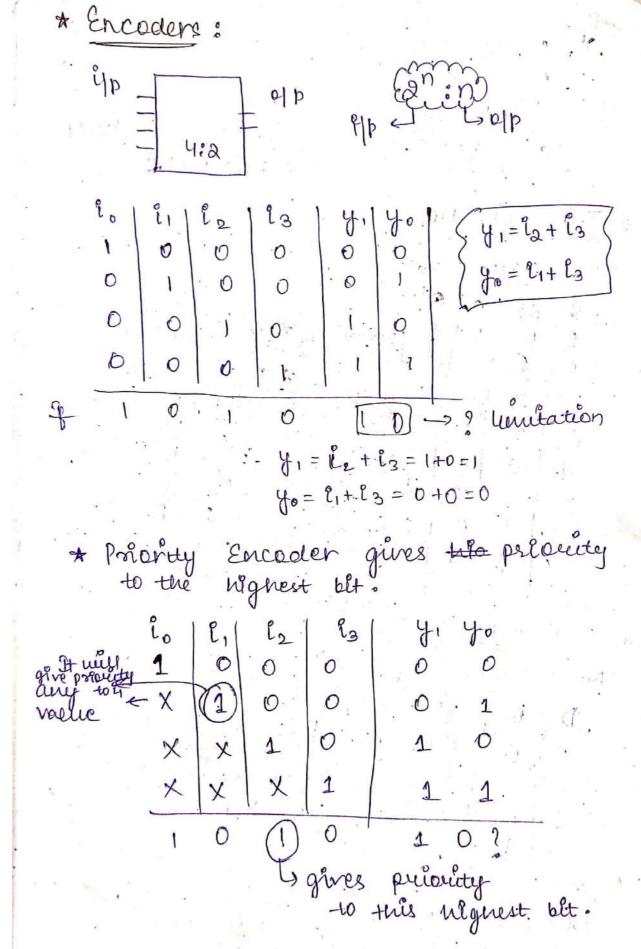
• Explain les nouveing & toggle Effect, states · your is now, it overcomes 1)0 CIK CLK J-K Fup Flop S-R FLIP FLOP 3)0 70 T- Pup Piop D-Flip Flop of external Elp of Of Baternal Elp. JR. FF & sorted in SR FF is shorted Function table fuction table CLK CLK 1 (reset) 0 (set)











ISA-1 (Sample) snop No. be 1-8. Assumption let 82 5, fi fo 50 0 0 0 X 0 X 1 0 0 0 0 1 .0 0 1 0 0 0 1 0 0 1 0 1 0 0 00 0 1 1 1 00 1 0 00. 0 1 0 0 0 X X X X Χ. X X 0 X × χ MUX: rale solve fi Sa To 0 TI TI 0 fo T2  $\widehat{\mathbf{I}}_2$ 0 (1) 0 Using DECODER: Ò. S.