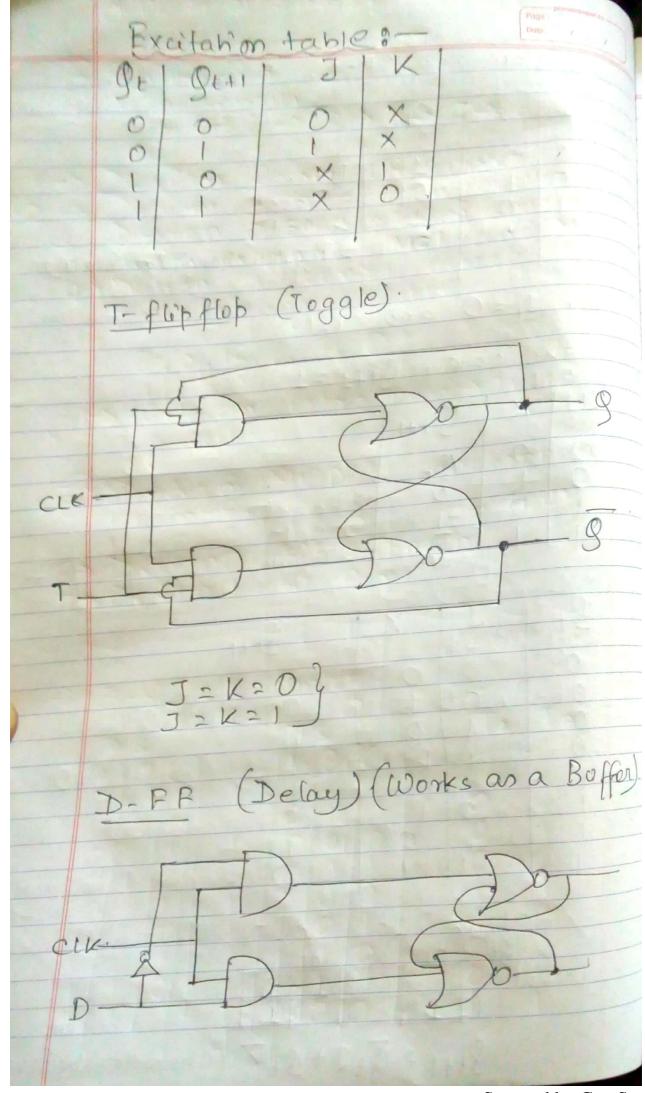
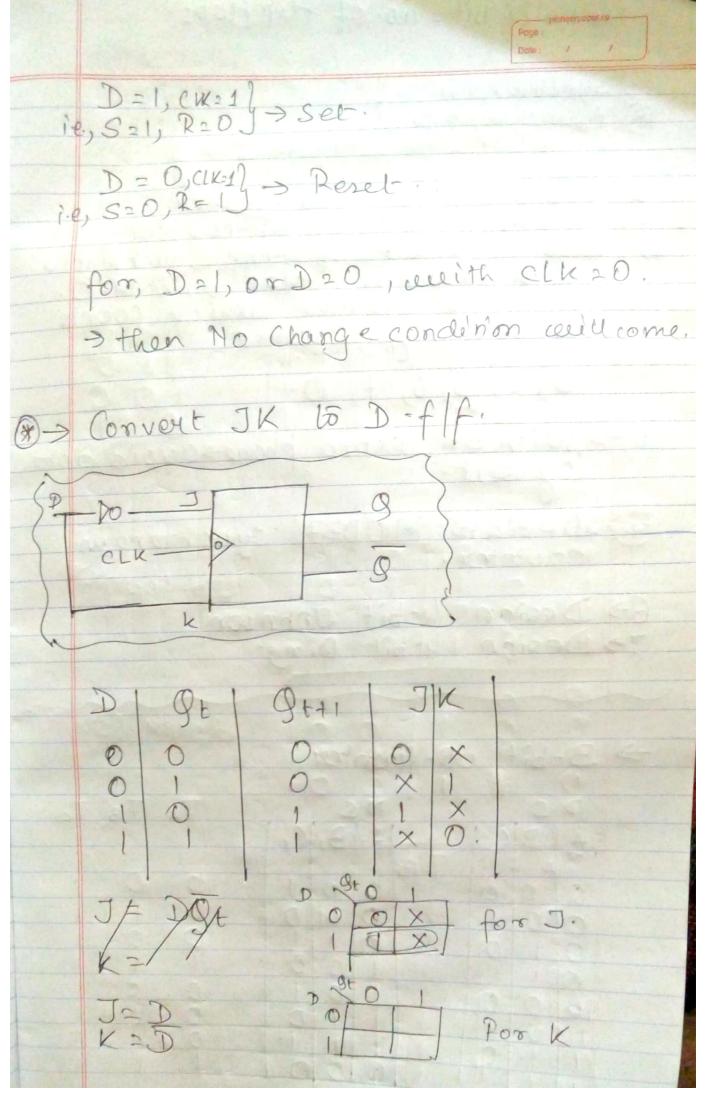


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|   | Page: Date / /                               |
|---|--|
|   | 00 CP21.                                     |
|   | For, gil and CP=1.                           |
|   | J K Sttl                                     |
|   | 00 1 NC.<br>Reset.                           |
|   | 0   1 > Sel. 1 → Poggle (change in Gtate).   |
|   | 1 0 Ploggie Charge                           |
|   |  |
|   | For, gt=0 and CP=1.                          |
|   | 4 ta cone, gtf1 =1.                          |
|   | 1.1.1.0                                      |
|   | JK Stall                                     |
|   | 0 0 gt > Reset                               |
|   | 0 0 1 3 set                                  |
|   | 1   gt   > Toggle                            |
|   | OLIKI PHI                                    |
|   | 3t J J                                       |
|   | 0 0 0  |
|   | 0 0 0  |
|   | 0  |
|   |  |
| 1 |  |
|   |  |
|   | Qt 00 01 101 10.                             |
|   | 8t 00 01 101 10.                             |
|   | Sttl = St J + St K (Characteristic Equation) |
|   | Attl Ato At                                  |

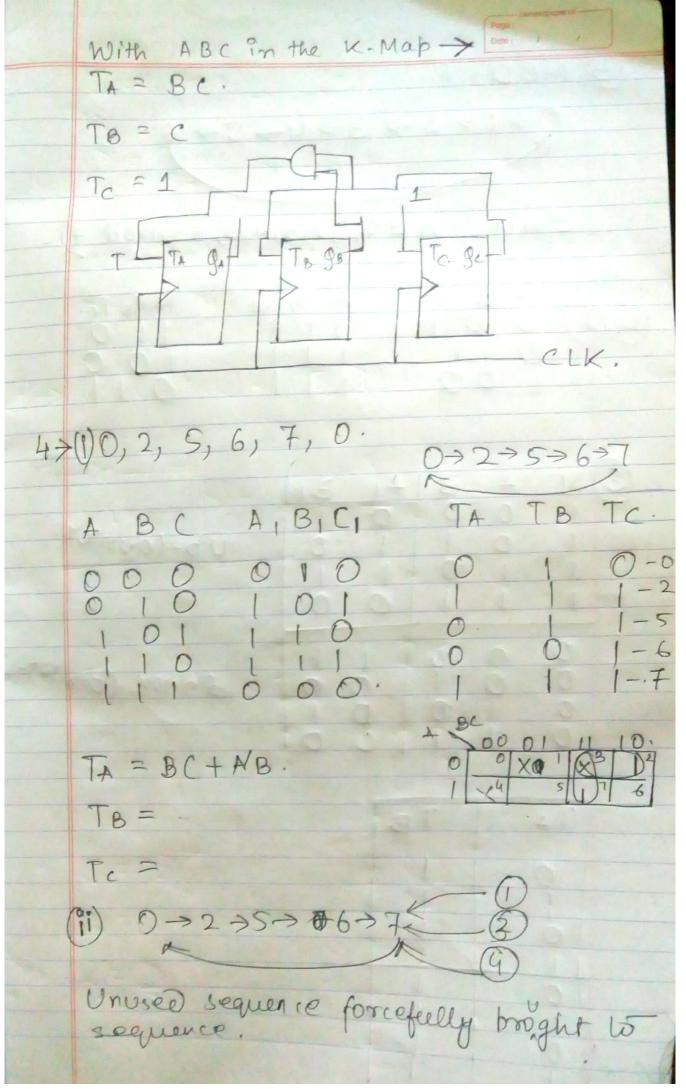


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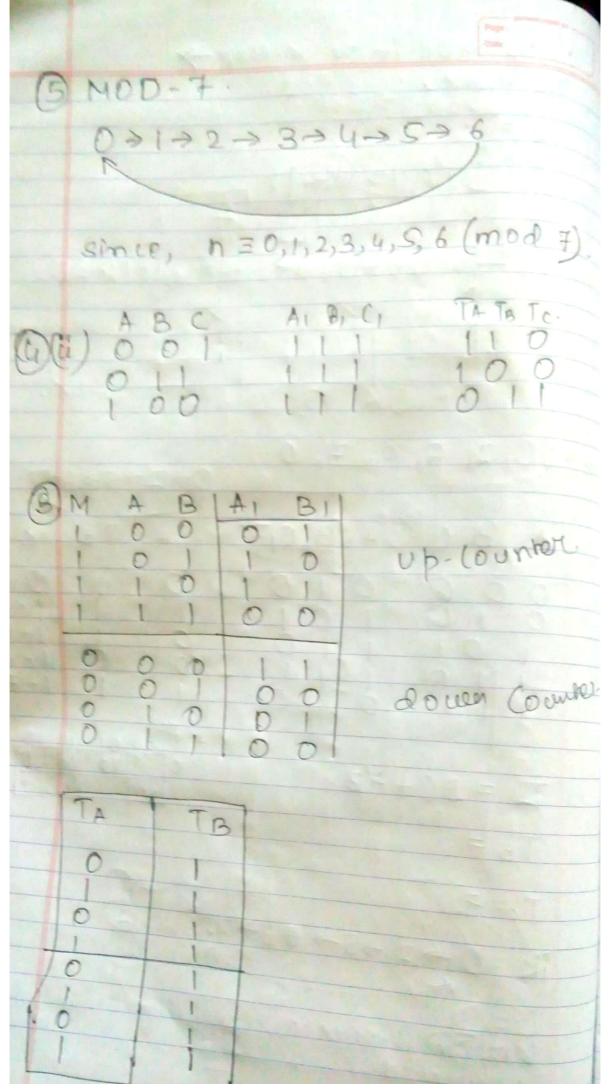


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| @no. of bit = no. of thip  | FLO PS Page 1 |  |  |
|--|---------------|--|--|
| O Synchronous J.  B Asynchronous J.  |               |  |  |
| 1 2 2 2 11 11 11 10 101  | inter.        |  |  |
| 2 -> Design 2-bit down-counter.  2 -> Design 3-bit op-down synchronous  3 Design 2-bit up-down synchronous  4-iDesign a counter which counts  4-iDesign a counter which counts |               |  |  |
| the following sequences  0, 2, S, 6, 7, 0.   |               |  |  |
| (ii) > With an extra phone log out   | e>avoid data  |  |  |
| 53 Design MOD-7 sy<br>counter.   | nchronous     |  |  |
| 6+ Design 4-bit Johnson 7+ Design 4-bit Ring.  |               |  |  |
| => 3-bit up-counter.   |               |  |  |
| PS NS<br>ABC ABC   | TA TB TC      |  |  |
| 000000000000000000000000000000000000000  | 0 0 1 1 0 0 1 |  |  |
| 0001100  | 0 0 1         |  |  |
|  |               |  |  |



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