

**S.E.(Instrumentation and control)**  
**DIGITAL ELECTRONICS**  
**(2019Pattern) (Semester-II)**

1. Write short note on Sequential and combinational circuit.
2. Explain with neat sketch SR Flip flop.
3. Write short note on T types of flip flop. Explain with truth table and excitation table.
4. Explain with neat sketch JK Flip flop..
5. What is ASM chart? Explain the MUX controlled method.
6. Write short note on BCD to 7 segment decoder circuits.
7. Explain TTL oscillator.
8. State and Explain different types of counters.
9. Write short note on Invert and Non-Invert Matrix
10. Write short note on PLD.
11. Write short note on.
12. Explain in brief ring and Johnson counters.