

IMPORTANT QUESTIONS:-

UNIT-I

- Q1: What do you mean by Flip-flop. Give characteristics.
- Q2: Explain clocked RS Flip flop with all the cases & truth table.
- Q3: Why do we need JK Flip flop. Explain in detail.
- Q4: What is Race Around condition, what is the solution for this?
- Q5: Explain D-type & T-type Flip flop.
- Q6: Make Truth Table & Excitation Table of SR, JK D & T Flip flops.

UNIT-II

1. Explain SISO, SIPO, PISO & PIPD Register with circuit diagram & Truth Table.
2. Diff between Syn. & Asynchronous counters.
3. Design MOD-10 synchronous counter using T-Flip flop.
4. Explain UP-down Counter.

UNIT-III

1. Diff. between RAM & ROM.
2. Types of RAM & ROM.
3. Explain 5 input devices & 5 output devices.
4. Explain Magnetic Storage & Optical Storage devices.