**Assignment- 1**

1. Explain the Instruction Cycle with flowchart.
2. Explain input-output instructions.
3. Define the following terms
   1. Effective address
   2. Pseudo instruction
   3. Register transfer language
4. What is high impedance state in three-state buffer? Explain three – state gate in detail.
5. Explain the first pass of assembler with the help of flowchart and how symbol table is generated using an example.
6. Draw the block diagram of 4-bit arithmetic circuit and explain it in detail.
7. Draw and explain flow chart of Interrupt Cycle.
8. Discuss following instruction (i) LDA (ii) CIR (iii) SZE (iv) BSA
9. Draw BCD adder with block diagram.
10. Explain selective set, selective complement

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