- Draw the system block diagram for the personal computer that contains a PCI bus.

- Draw the pin configuration of universal serial bus.

- Do NRZI encoding to the following bit sequence **001101011110101010101011001001110**. The idle state is given **1**.

- Draw the flow chart of bit stuffing

- Briefly describe bit stuffing. The original data is **00011111111110011110111011111001**. Now draw the original data and **NRZI** data using bit stuffing. The idle state is given **0**.