

# **COMPUTER ORGANIZATION & ARCHITECTURE**

**CO-206**

## **ASSIGNMENT SHEET – 1**

- 1) Explain asynchronous data transfer using both strobe pulse and handshaking. Support your answer with block diagram and sequence of events.
- 2) Discuss serial communication.
- 3) Compare Asynchronous and Synchronous Serial Communication.
- 4) How many characters per second can be transmitted over a 4800 baud rate line in each of the following modes?(Assume character code of 8 bits)
  - a) Synchronous serial transmission.
  - b) Asynchronous serial transmission with two stop bits.
  - c) Asynchronous serial transmission with one stop bit.
- 5) Describe the following standard communication interfaces
  - a) Peripheral Component Interface(PCI)
  - b) Small Computer System Interface (SCSI)
  - c) Universal Serial Bus(USB)