CS6304 ANALOG AND DIGITAL COMMUNICATION
Assignment II

Part- A

1. Define ASK and FSK.
2. Define bit time and baud rate.
3. Define Bandwidth efficiency. What is the bandwidth efficiency of BPSK and 8-PSK system?
4. Draw the phasor diagram of QPSK signal.
5. Compare binary PSK with QPSK.
6. What is the minimum bandwidth required for an FSK system?
7. Compare QAM and QPSK.
8. Why QAM is preferred when compared to other digital to analog modulation technique?

Part-B

1. Explain the process of FSK modulation and transmitter and receiver with a neat diagram.
2. Explain BPSK Transmitter and receiver with a neat diagram.
3. Explain 8 QAM transmitter and receiver diagrams.
4. Explain QPSK Transmitter and receiver with a neat diagram.