

St.Joseph's College Of Engineering
Department of ECE
CS6304 ANALOG AND DIGITAL COMMUNICATION
Assignment -II
UNIT II: DIGITAL COMMUNICATION
PART-A

1. Define DPSK and QPSK.
2. Define bit time and baud rate.
3. What is the primary advantage of DBPSK and what is its disadvantage?
4. What is the difference between probability of error $P(e)$ and bit error rate BER?
5. Compare binary PSK with QPSK.
6. Define carrier recovery.
7. List out merits and demerits of ASK.
8. Why QAM is preferred when compared to other digital to analog modulation technique?

PART-B

1. Explain DPSK Transmitter and receiver with a neat diagram. What are the advantages of DPSK over PSK.
2. Explain BPSK Transmitter and receiver with a neat diagram.
3. Compare and contrast the various Digital Communication Systems.
4. Explain QPSK Transmitter and receiver with a neat diagram.