EC-8395 Communication Engineering

Important 2mark questions

Unit I

1. What is the relationship between phase modulation and frequency modulation?
2. What is Pre-emphasis and De-emphasis circuits? Where these circuits are used?
3. What will be the power in each sideband in amplitude modulated signal if power of carrier wave is 176 W and there is 60% modulation.

Unit II

1. What is sampling and quantization?
2. What is meant by aliasing? How do you avoid aliasing?
3. What is Companding?

Unit III

1. Draw the modulated waveform representing PSK and FSK.
2. What is Duobinary encoding? Why precoding is used?
3. Draw the constellation diagram of QPSK.

Unit IV

1. What is prefix code? Give example.
2. What is the need of channel coding?
3. List the properties of cyclic codes.

Unit V

1. What is the aim of error control coding? List the different error control mechanisms.
2. What are the benefits of multiple access techniques in the communication system?
3. Define near-far problems in CDMA.