

EC 8491 Communication Theory

Important 2mark questions

Unit I

1. Mention any four advantages of having RF amplifier in AM receiver.
2. What is VSB? Where is it used?
3. Suggest a modulation scheme for the broad cast video transmission and justify.

Unit II

1. Differentiate narrowband from wideband FM.
2. Define transmission bandwidth.
3. What is the need for pre-emphasis?

Unit III

1. What is the difference between random variable and random process?
2. State Wiener Khintchine theorem.
3. State Central Limit theorem.

Unit IV

1. Give the formula for finding the Noise Figure.
2. Define equivalent noise temperature of a system.
3. List the external sources of noise.

Unit V

1. What do you mean by sampling rate?
2. How the multiplexing of digital signals can be accomplished?
3. Define entropy.