Dronacharya College of Engineering, Gurgaon

Department of Electronics and Computers Engineering

Subject: Analog Communication Systems (EC-413-F)

Semester: IV/ Branch: ECS

Short Answer Question

Section A

1. What do you mean by AM, FM and PM signals?
2. Define amplitude demodulation.
3. Explain the Selectivity, Sensitivity of the radio receiver.
4. Explain different external sources of noise.
5. Explain voltage spectrum of AM wave

Section B

1. What is the requirement of demodulation
2. Draw and explain block diagram of AM superhetrodyne receiver.
3. What do you mean by heterodyning process
4. What is (AGC) automatic gain control?
5. What is the function of the mixer and local oscillator in radio receiver?

Section C

1. What is single sideband communication system (SSB).
2. Compare single sideband transmission with conventional AM.
3. Explain DSBSC
4. What are the advantages of Single sideband transmission?
5. Explain disadvantages of SSB system

Section D

1. Explain PAM?
2. Explain disadvantages of PAM.
3. What is noise effect in PAM?
4. What is necessity of PC to PC communication?