Unit Test2 Question Bank

Sub: Communication Engineering TE ECS

PART-B

1.What are the Advantages of pulse modulation. Explain PAM modulation and demodulation circuit with waveforms.

2.Briefly Explain the function of each blocks in Super heterodyne receiver with suitable diagram.Also explain how constant intermediate frequency is achieved?

3.Explain various receiver characteristics like selectivity, sensitivity, image frequency etc.

4.What is principle of AGC(automatic gain control)? What are its functions?

5.Describe the generation of PAM,PWM and PPM signals with suitable diagrams.

6.Explain Delta modulation. What is the need for Adaptive delta modulation.

7.Explain Pulse code modulation and demodulation system.

8.What are the difference between pulse and digital modulation techniques?

9.Explain generation and detection of binary ASK.

10 Explain Quaternary Phase Shift Keying (QPSK), Quadrature Amplitude Modulation (QAM), Minimum Shift Keying (MSK).

11. Differentiate between following modulation scheme with proper waveforms.

i)BPSK

and BFSK ;

ii)M-ary PSK and QAM;

12. Explain Companding and its need in communication.

Note: Question bank consist of 8 Questions from Assignment2 and 12 Questions.Practice well in advance from notes uploaded in classroom.

***Best wishes for your exam. Do your best.***

Prof Binsy Joseph