ADC Important Questions

1. What are limitations of TRF receiver. Explain the principle and operation of super heterodyne receiver.
2. Explain the generation and detection of PPM
3. With a neat block diagram explain the PCM system.
4. What are the drawbacks of Delta modulation and how will you overcome it explain ADM.
5. Derive the SQNR in DM system.
6. Explain the generation and detection of BPSK technique.
7. Comparison between a) PAM, PWM, PPM

    b) ASK, FSK, PSK

8. Derive the probability of error of a Matched filter.

9. Explain the transmitter and receiver of QPSK technique with truth table, phasor diagram and

 Constellation diagram.

10. Write a short notes on ISI and EYE diagram