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**Determine whether each statement is true or false. If the statement is false ,explain why.**

1. ASK is called as OOK

2. PCM is used to modulate the message signal

3. In analog pulse modulation the carrier signal is train of pulse

4. In Keying technique the carrier signal is train of pulse

5. In FDM digital pulse modulation technique is used

6. For an efficient communication in PCM system; number of samples per second must be at least equal to twice the highest modulating frequency

7. The standard data rate of a PCM voice channel is 64 Kbps

8. Aliasing occurs, when the Nyquist rate is equal to 2 times fm

9. In present day standard digital voice communication, the voice signal is sampled at a rate around 2000 samples /sec

10. Bandwidth of PAM = $\frac{1}{2.5tp}$