**Quiz no 6**

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| **A/A** | **Question** | **Type** |
| 1 | For frequency modulation (FM) the ratio of the maximum frequency deviation from the carrier to the maxim frequency of the modulating signal is called:1. the modulation index.
2. upper sideband.
3. lower sideband.
4. the frequency bandwidth.

**Correct Answer: A** | Multiple Choice |
| 2 | Each of the bits of digital information is transmitted during a fixed time period called:1. baud.
2. tempo.
3. clock.
4. matrix.

**Correct Answer: A** | Multiple Choice |
| 3 | On-off keying (OOK) can be considered a special case of pulse amplitude modulation (PAM) in which are two RF signal amplitudes one for a “one” and the other for a “zero.”**Correct Answer: True** | True/False |
| 4 | In FSK, one frequency in a baud transmits a “one” and another frequency transmits a “zero.”**Correct answer: True** | True/False |
| 5 | In phase modulation–binary phase shift keying (BPSK) the signal has one phase during a one and changes phase during a zero by:1. 180 degrees.
2. 90 degrees.
3. 60 degrees.
4. 45 degrees.

**Correct Answer: A** | Multiple Choice |
| 6 | In quadrature phase shift keying (QPSK) the receiver detects a particular phase in the received signal and outputs: 1. two bits of digital data.
2. four bits of digital data.
3. one bits of digital data.
4. six bits of digital data.

**Correct Answer: A** | Multiple Choice |
| 7 | Low probability of intercept (LPI) communication signals are also called:1. spread spectrum signals.
2. special signals.
3. encrypted signals.
4. communication signals.

**Correct Answer: A** | Multiple Choice |
| 8 | Modulations which provide multiple bits per baud are considered high efficiency modulations because they allow more digital data to be transmitted in any given RF bandwidth.**Correct answer: True** | True/False |
| 9 | A receiver designed for direct sequence spread spectrum signal reception has a despreading demodulator which applies the same pseudo-random signal that was applied by the transmitter. **Correct answer: True** | True/False |
| 10 | The GPS global navigation system transmits its signals with:A. direct sequence spectrum spreading.B. chirped signal. C. frequency hopping signal. D. pseudo-random codes.Correct Answer: A | Multiple Choice |