

Multiple Choice Test of “Multiple access (MA) techniques used for satellite communications”.

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Matriculation: _____

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1. Which of the following techniques allows multiple users to share and exchange information simultaneously?
 - a. Single Access
 - b. Double Access
 - c. Multiple Access
 - d. None of the above
2. Which of the following multiple access (MA) techniques allows all relevant Earth stations to simultaneously share the distinct bandwidth?
 - a. Frequency Division Multiple Access (FDMA)
 - b. Time Division Multiple Access (TDMA)
 - c. Random Division Multiple Access (RDMA)
 - d. Space Division Multiple Access (SDMA)
3. Which of the following interference/s caused when using the FDMA technique is used for information transfer?
 - a. Intermodulation
 - b. Adjacent Channel Interference
 - c. Both options (a) and (b)
 - d. Intramodulation
4. In which of the following circuit-based MA techniques, communication channels are not open for general use and already reserved for the allocated users?
 - a. Pre-assigned MA
 - b. Post-assigned MA
 - c. Demand-assigned MA
 - d. Random-assigned MA
5. Which of the following refers to the drawback/s of having wide frequency guard bands?
 - a. Low Spectral Efficiency
 - b. Higher Operating cost
 - c. Low Interference
 - d. Both options (a) and (b)

6. In which of the following MA techniques, the earth Stations transmit signal information in sequential and synchronized bursts?
- a. Frequency Division Multiple Access (FDMA)
 - b. Time Division Multiple Access (TDMA)
 - c. Code Division Multiple Access (CDMA)
 - d. Space Division Multiple Access (SDMA)
7. Which of the following multiple access (MA) techniques relies on a modulation method referred to as Spread Spectrum Multiple Access (SSMA)?
- a. Frequency Division Multiple Access (FDMA)
 - b. Time Division Multiple Access (TDMA)
 - c. Code Division Multiple Access (CDMA)
 - d. Space Division Multiple Access (SDMA)
8. In which of the following MA techniques, the beam-forming strategies are employed for information transfer?
- a. Frequency Division Multiple Access (FDMA)
 - b. Time Division Multiple Access (TDMA)
 - c. Code Division Multiple Access (CDMA)
 - d. Space Division Multiple Access (SDMA)
9. In which of the following MA techniques, the reference earth station is required to transmit initial synchronization and timing control?
- a. Frequency Division Multiple Access (FDMA)
 - b. Time Division Multiple Access (TDMA)
 - c. Code Division Multiple Access (CDMA)
 - d. Space Division Multiple Access (SDMA)
10. Which of the following protocols can be used to transmit the information in the Random Division multiple access (MA) technique?
- a. Aloha
 - b. Session Initiation Protocol (SIP)
 - c. TCP/IP
 - d. Real Time Protocol (RTP)