"Multiple Access Techniques"

-> Definations. Multiple Access is the use of multiplexing techniques to provide communication service to multiple cesers over a single channel. It allows for many users at one time by sharing a finite amount of spectrum. · Multiplexing:-Multiplexing is the process in which multiple data streams, coming from different sources, are combined and transmitted over a single data channel or dates stream. · Demultiplexing:-Demultiplexing performs the reverse process of multiplexing and southers. The separed signals to their corresponding seeeivers or destination in miles => Types of Multiple Accession 1) FDMA 2) TOMA 31 CDMA · FDMA :-FDMA is stands for Frequency division multiple access. FOMA is the division of the frequency band allocated for wixeless cellular telephone

communication into 30 channels each of which can carry or voice conversation or which digital service, carry digital data which digital service, carry digital data > FDMA is also used in the TACS total access communication system.

TDMA:--> IDMA is stands for "Time division maltiple Access" > TOMA is a channel access method for shared medium netwooks. > It allows several users to shake the same zeequency channel by dividing the signal into dizzerent time slots.

The users transmit in rapid succession, one after the other, each using its own time slot.

CDMA:-7 CDMA is stands for "Code division Melliple Access".

CDMA is a channel access method

used by various sadio communication Tech no logies. > CDMA allows several users to shake a band of frequencies without undue interace interference between the users.

It is used as the access method
in many mobile phone standards.

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