CS 428/528

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Quiz 6

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1. The RTS/CTS mechanism in the CSMA/CA protocol helps mitigate the **collision** problem. **(1 point)**

2. What is the expansion of the acronym SNR? **(1 point)**

   Signal-to-Noise Ratio

3. State two functions of the Mobile Switching Center in the cellular network architecture. **(2 points)**

   - connects cells to wired tel. net.
   - manages call setup

4. How many MAC addresses could potentially be there in an 802.11 frame? Briefly described what they are used for. **(2 points)**

4 MAC Addresses

Address 1: Source MAC address
Address 2: Destination MAC address
Address 3: Router IP address
Address 4: Used for adhoc mode

5. The 802.15 network uses the **adhoc** configuration to connect the devices **(1 point)**

6. State two important differences between wired and wireless links. **(2 points)**

   1. Wireless networks are connected via Access Points at the final hop of the network; whereas wired networks are connected via ethernet cables at the last hop.

   2. Wireless networks allow for mobility whereas wired networks require a rigid network

7. What is the expansion of the acronym CDMA? **(1 point)**
   Code-division multiple access